REVIEW OF INTERNATIONAL BROADCASTING

Issue 146 $2½ ISSN 0149-9971 Edited & Published by Glenn Hauser

AUSTRALIA (gh) COMMUNICATOR, the much-maligned media program which obviously had a policy of ignoring SW, the very medium upon which it broadcast, was suddenly cancelled in November, replaced by a 6-week series FRANCE/AUSTRALIE on early exploration of the continent by France--Tue 1130 & 1530 UT_C.

BULGARIA R. Bulgaria issued a new program schedule--see gh's Jan. MONITORING TIMES column, p. 38.

CHINA (The Messenger, CRI, Nov-Dec via Diane Mauer) Seasonal specials: A BEIJING CHRISTMAS, Dec. 27 on how it's celebrated, religious 'freedom'; NEW YEAR EVE special, Dec. 31 repeated Jan. 2, usual taped or written greetings from listeners, musical talent show by staff. LISTENERS' LETTERBOX, Dec. 19/21, Hong Kong's return, art of paper-cutting. CULTURE IN CHINA, Thu Dec. 16, pop music explosion. TRAVEL TALK since Nov. 6 on Sats has been travelling along the coast from N to S. MUSIC FROM CHINA, Sun. Dec. 18, Journeying Thru History with Chinese Music, from Sui and Tang Dynasties, 6th-10th centuries and the ensuing Five Dynasties. MUSIC ALBUM, Suns. Dec. 12&19, Golden Tunes--choice selection of current pop songs.

COLOMBIA (Henrik Klemetz, Bogotá, Nov. 6) Rdif. Nacional has special external service including live newscasts, 1740-2150 on 11785 for Eu/Af/As/Pac! repeated 2150-0300 on 9655 for Ams, but lots of interference on both. (Ernie Behr: 9655 replaced by 9685) Presumably all Spanish.

COSTA RICA (gh) RFPI concludes 4-part special week of Dec. 14, Tues 2000, Sats 1830 plus 8 and 16 hr repeats, FACING THE FALLOUT. 13630 is indefinitely dropped; 7385 USB replaced by 9 MHz fq. - *9375?*

ECUADOR (gh) HCJB can be expected to have Xmas specials, including its anniversary; advance sked came so long ago I can no longer find it. Jan-Feb previews indicate Ken MacHarg returning at Janend on SALUDOS AMIGOS, Suns 0730, 1000, 1900, Mons 0030, 0500 (& probably resuming DXPL input).

(Brian Carling, SW Echo Nov. 18 via Thurman) HCJB splashing 11805-11825 from 11925 overmodulation, over 220 kHz wide, tho 11925 only S4-S5, 1200 ID, signal went off and on. Astonishing! (gh: typical)

GERMANY (DW via Diane Mauer) ARTS ON THE AIR, Af svc, Dec. 25, Hänsel & Gretel, Humperdinck's opera. DEVELOPMENT FORUM, Dec. 18, Bread for the World's efforts in justice for the poor. German Programm, still on 4-hour repeat cycles starting at 0600, includes holiday specials Dec. 24-25-26-31 & presumably Jan. 1, such as in time after cycle-start: Fri Dec 24, 00:10 Pres. Weizsäcker's greeting, 00:15-02:00 FROHE WEIHNACHT--songs, poems, stories; 03:05-04:00 WEIHNACHTSGOTTESDIENST. Sat Dec 25, 00:10-01:00 Bach's Xmas Oratorio "Maria im Kapital". 01:05-02:00 Xmas in Germany. 02:10-03:00 FROHES FEST!--greetings & music dedications. 03:31-03:50 ENGELSMUSIKEN--flutes & kidchoir. Sun Dec. 26, 00:31-01:00 KÜLSCHE WEIHNACHT. 01:05-02:00 WEIHNACHTLICHE GRÜSSE AUS DEM HEIMATHAFEN. 03:33- XMAS MUSIK from MAINZ DOM. Fri Dec 31, 00:10 Federal Chancellor's address; 00:20-00:30 HAPPY JAZZ ZUM JAHRESWECHSEL. 01:10-02:00 PROSIT NEUJAHR!--greetings and musicrequests. 03:10-04:00 GUTEN RUTSCH!--DW-Silvester-Party mit den Top-Hits '93.

GUAM (Tom Sundstrom, HCJB DXPL) Gary Whitmore, KTWR PD says expanded Xmas programming local days Dec. 24/25/26, approx times, tent. freqs: 0445-0745 SEAs 15195?, 2230-0130 SEAs 15175? or 15665. SPac 0600-0900 15610?. SAs 1630-1940 9785?; no further info yet; new QSL for Xmas specials.

HAITI (non) (Jeff White, RMI) With Aristide return still blocked, R. 16 Desanm continues, Mon.-Fri. 2200-2300 on WHRI 17830, 2300-2400 on WRNO 7355. gh: For English news of developments, catch FOCUS ON HAITI, from R. Neg Mawon folks on RFPI Costa Rica, sked Fri. 1830-1900, Sat. 2100-2130 + repeats.

HAWAII (gh) Is about to resume SW activity with WHRI's KWHR, possibly testing by Dec. 13, hope to begin regular programming by Dec. 24/25. See page 9 for authorized schedule, and listen for WHRI tips.

HUNGARY (via John Carson, OK) R. Budapest previews include, local days: Sat Dec 11, WHAT YOU SAY, CHOICES--economy, MUSICAL RETROSPECT. Sun Dec 12, DISCOVERING HUNGARY--the Big City. Mon Dec 13, THE LAW FACTOR--Parliament at work, pt 2. Tue Dec 14, CHOICES--people & events of '93 in publishing, BOOKSHELF--Slave of the Huns, pt 10. Thu Dec 16, DISCOVERING HUNGARY--Budapest's rural population. HOW MANY CHEERS?--state budget for '94. Fri Dec 17, BOOKSHELF--Slave of the Huns, pt 11. Sat Dec 18 repeats CHOICES--publishing. Sun Dec 19 repeats DISCOVERING--rural. Mon Dec 20 repeats CHEERS--budget. Tue Dec 21 repeats Huns-11. Wed Dec 22, A YEAR OF JAZZ. Thu Dec 23, DISCOVERING HUNGARY--New Fields, MONEY MONTHLY. Fri Dec 24, BOOKSHELF--Xmas readings, DAYS AROUND THE WORLD--Nandor Fa, the lonely sailor. Sat Dec 25, MUSIC FOR THE SEASON--Hungarian Mass. Sun Dec 26, DISCOVERING, JAZZ rpts. Mon Dec 27, SPORT IN 93. Tue Dec 28, BOOKSHELF rpt, CHOICES--personal choices of staff members in 93. Wed Dec 29, HIT LIST SPECIAL--Top 10 Party. Thu Dec 30, BEST FROM THE CONCERT HALL, DAYS AROUND rpt = lonely sailor. Fri Dec 31, Huns pt 12, HIT LIST Top 10 rpt.

INTERNATIONAL WATERS (via Diane Mauer) Fury V, shipboard SW project, per Bro. Stair's comments. As of late Nov. had moved to Charleston SC harbor for painting, further outfitting; very concerned about how to ballast. Supposedly heading for offshore Belize, flag it's getting. May use direct satellite downlink, or if close enough to shore, downlink there and microwave to ship. Stair says all four SW xmtr will be for him, but RNI is said to have prepared 70-80 hours of programs on tape. (AP via Charlie Gaharan:) Abie Nathan scuttled Peace ship off Israel Nov. 28, can't afford maintenance, off air.

NETHERLANDS (via Will Martin, Gigi Lytle, Diane Mauer, Frank Orcutt, Monitoring Times) RN previews issued in Aug. or Sept. include: FROM SAPPHIRE TO LASER takes over CDUTCH slot from Jan 3, Robert Green on classical composers. NO BOUNDARIES is about development, interdependence. MIRROR IMAGES, Tues, in Dec from Amsterdam Documentary Film Festival; Jan, Rotterdam Film Fest. Feb, 44th Berlin International Film Fest. March, visiting EuroDisney on birthday-2. ENCORE! during December is MARKS ON MECHANICS. SOUNDS INTERESTING, gastronomic series first Sats., Jan. 8 (hmm, 2nd), 'Desert /sic/ Storm' presumably meant to be "Dessert Storm", yuk yuk, also looking at cakes, liqueur. Feb 5, What's in a Meal?--food inspection, Michelin restaurant ratings. EAST OF EDAM, Feb visits India as part of RN's S Asia season /wonder where they got that idea?/. Wed DOCUMENTARIES: Jan's first, crime wave in eastern Europe; Feb., focus on S Asia, TBA. March, first 3 weeks, Africa's positive contributions to Europe.

RADIO NETHERLANDS

At-a-Glance Programme Guide

(Valid : 26th September 1993 - 26th March 1994) (via Frank Orcutt, Gigi Lytle, Diane Mauer, Monitoring Times)

UTC	Frequencies (kHz)	Target	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
0030	M9860, A7305	South Asia	News Happy Station Programme Info	News, Newsline Research File Programme Info	News, Newsline Mirror Images Programme Info	News, Newsline Documentary Programme Info	News, Newsline Media Network Programme Info	News, Newsline Towards 2000 EuroPress Review	News, Newsline Sounds Interesting Programme Info
0130	M11655, M9860, A9845	South Asia	News East of Edam	News, Newsline No Boundaries	News, Newsline Encore!	News, Newsline Media Network	News, Newsline Research File	News, Newsline Documentary	News Happy Station
0230	M11655, M9860, A9845	South Asia	News Happy Station	News, Newsline Research File	News, Newsline Mirror Images	News, Newsline Documentary	News, Newsline Media Network	News, Newsline Bats, Balls, etc.	News East of Edam
0730	B9720, B9630	Pacific	News, Newsline Research File Programme Info	News, Newsline Mirror Images Programme Info	News, Newsline Documentary Programme Info	News, Newsline Media Network Programme Info	News, Newsline Towards 2000 Programme Info	News, Newsline Sounds Interesting Programme Info	News Happy Station Programme Info
0830	B9720	Pacific	News, Newsline Business/CDutch Press Review	News, Newsline No Boundaries Press Review	News, Newsline Encore! Press Review	News, Newsline Research File Press Review	News, Newsline Documentary Press Review	News, Newsline Bats, Balls, etc. EuroPress Review	News East of Edam Programme Info
0930	I9810, P7260, B9865, B9720	Far East & Pacific	News, Newsline Research File Press Review	News, Newsline Mirror Images Press Review	News, Newsline Documentary Press Review	News, Newsline Media Network Press Review	News, Newsline Towards 2000 Press Review	News, Newsline Sounds Interesting EuroPress Review	News Happy Station Programme Info
1030	I9810, P7260	Far East & S.E. Asia	News, Newsline Business/CDutch	News, Newsline No Boundaries	News, Newsline Encore!	News, Newsline Research File	News, Newsline Documentary	News, Newsline Bats, Balls, etc.	News East of Edam
1130	F9650, F5955	Europe	News, Newsline Research File Press Review	News, Newsline Mirror Images Press Review	News, Newsline Documentary Press Review	News, Newsline Media Network Press Review	News, Newsline Towards 2000 Press Review	News, Newsline Sounds Interesting EuroPress Review	News Happy Station Programme Info
1230	F9650, F5955	Europe	News, Newsline Business /CDutch	News, Newsline No Boundaries	News, Newsline Encore!	News, Newsline Research File	News, Newsline Documentary	News, Newsline Bats, Balls, etc.	News East of Edam
1330	M15530, F13700, M9895	South Asia	News, Newsline Research File Programme Info	News, Newsline No Boundaries Programme Info	News, Newsline Documentary Programme Info	News, Newsline Media Network Programme Info	News, Newsline Towards 2000 Programme Info	News, Newsline Sounds Interesting Programme Info	News Happy Station Programme Info
1430	M15150, F13700, M9895	South Asia	News, Newsline Business /CDutch Press Review	News, Newsline Mirror Images Press Review	News, Newsline Encore! Press Review	News, Newsline Research File Press Review	News, Newsline Documentary Press Review	News, Newsline Bats, Balls, etc. EuroPress Review	News East of Edam Programme Info
1530	M15150, F13700, M9895	South Asia	News, Newsline Research File	News, Newsline No Boundaries	News, Newsline Documentary	News, Newsline Media Network	News, Newsline Towards 2000	News, Newsline Sounds Interesting	News Happy Station
1730	B21590, B21515, M9605, M6020	South, East & West Africa	News, Newsline Research File Press Review	News, Newsline No Boundaries Press Review	News, Newsline Documentary Press Review	News, Newsline Media Network Press Review	News, Newsline Bats, Balls, etc. Press Review	News, Newsline Airtime Africa EuroPress Review	News Happy Station Programme Info
1830	B21590, B21515, M9605, M6020	South, East & West Africa	News, Newsline Business/CDutch Programme Info	News, Newsline Mirror Images Programme Info	News, Newsline Encore! Programme Info	News, Newsline Research File Programme Info	News, Newsline Airtime Africa Programme Info	News, Newsline Sounds Interesting Programme Info	News East of Edam Programme Info
1930	B21590, B17605	West Africa	News, Newsline Research File	News, Newsline No Boundaries	News, Newsline Documentary	News, Newsline Media Network	News, Newsline Bats, Balls, etc.	News, Newsline Airtime Africa	News Happy Station
			Monday*	**Tuesday***	**Wednesday***	**Thursday***	**Friday***	**Saturday***	**Sunday***
2330	B6165, F6020	North America	News, Newsline Business /CDutch Programme Info	News, Newsline No Boundaries Programme Info	News, Newsline Encore! Programme Info	News, Newsline Research File Programme Info	News Newsline Documentary Programme Info	News, Newsline Bats, Balls, etc. EuroPress Review	News East of Edam Programme Info
0030	M11655, B$9840, B6165, F6020	North America	News, Newsline Research File	News, Newsline Mirror Images	News, Newsline Documentary	News, Newsline Media Network	News, Newsline Towards 2000	News, Newsline Sounds Interesting	News Happy Station
0330	B9590, B6165	North America	News, Newsline Research File	News, Newsline Mirror Images	News, Newsline Documentary	News, Newsline Media Network	News, Newsline Towards 2000	News, Newsline Sounds Interesting	News Happy Station

* The days shown for the broadcasts to North America are local days in that target. According to the UTC clock, it may already be the next day. From January "From Sapphire to Laser" replaces CDutch.
Key to transmitter locations: F= Flevoland, M=Madagascar relay, B=Bonaire relay station, A=Alma Ata, I=Irkutsk, P=Petropavlovsk Kamchatski. $= AM-compatible USB.

PAPUA NEW GUINEA (Arthur Cushen, RNZI Mailbox) NBC testing new 100 kW transmitter for coverage abroad on 9565, soon changing to 9675, from *0700 to 1300, with 0800 English news; QRM on original channel.

ROMANIA (via Monitoring Times) RRI Nov 93-May 94 program sked: On the 1430, 1900, 2100 next UT day 0200 one-hour bcs are features: Mon, HISTORY PAST & PRESENT, ROM. ITINERARIES, ROM. HITS, HAM PROGRAM, SPORTS ROUNDUP. Tue, YOUTH CLUB. Wed Eu/NAm WOMEN-THE OTHER FORCE, FRIENDSHIP & COOP, ROM. MUSICIANS; As, INVESTMENTS IN ROM., ENCYCLOPAEDIA RRI, ROM. MUSICIANS. Thu, LETTERBOX, SKYLARK--folk mx. Fri Eu/NAm CULTURAL SURVEY, As CULTURAL ARTISTIC NOTEBOOK. Sat PAGES OF ROM. LIT., DX MAILBAG, THRU BUCHAREST ALONG THE CENTURIES or ROM. FOLKMUSIC AT ITS BEST. Sun Eu/NAm STUDIO includes LETTERBOX, INTERVIEWS, ROM. BY RADIO, PHILATELIC AGENDA; As, RADIO PIX, RRI ENCYCLOPAEDIA, SKYLARK.

SLOVAKIA (Adrian Peterson, AWR) AWR via Rimavska Sobota inaugurates 8 Jan., music test from 1 Jan, programming Jan. 8-Mar. 27 also considered test; 2 x 250 kW, preliminary sked: #1: 01-03 on 7270 EG/Hindi, 03-05 9465 EG/As langs, 05-06 9465 FR Af, 06-07 13715 EG Af, 07-08 7180 EG NEu, 13-14 5940 CZ, 14-15 13790 EG SAs, 15-18 9455 EG/Indian, 18-20 9455 FE/EG WAf. #2: 03-04 7115 FR EAf, 04-05 9455 EG EAf, 05-07 11610 AR ME, 07-09 5940 GM/CZ, 15-16 5945 GM, 16-18 11610 FR/EG EAf, 18-20 7315 AR ME. I & other AWR personnel will be there for the inauguration.

SWITZERLAND (gh) Since holidays are on Sat., SRI announced GRAPEVINE would expand Dec. 24 to 20 mins including tapes solicited from listeners; SW MERRY GO ROUND 20 mins Jan. 1.

(via Larry Nebron) SRI Sunday special topics tentatives: Dec 12 ROUNDABOUT on Montreux. Dec 19, SUPPLEMENT on Science & the Media. Dec 26, RHYTHM MAKERS Menuhin Violin Courses, postponed previously. Jan 2, SUPPLEMENT, Zurich Drug Scene; per fax from Bob Zanotti.

U S A (gh) MW Miscellany: WHO on 1040 Des Moines M-F 9-10 pm CT syndicated RADIO YESTERYEAR incl FIBBER McGEE one Tuesday.

RADIO MOSCOW WORLD SERVICE

(via Monitoring Times)

September 26th, 1993 - March 26th, 1994

NEWS - EVERY HOUR ON THE HOUR (11 minutes)
NEWS-IN-BRIEF - ON THE HALF HOUR (1 1/2 minutes)
M Y R - Music at Your Request
ADs - programs for sale

Date Time UTC	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	Date UTC Time
00.00	N E W S A N D V I E W S							00.00
00.30	FOLK BOX	YOURS FOR THE ASKING	JAZZ SHOW	M Y R	JAZZ SHOW	FOLK BOX	ADs	00.30
01.00	ADAMOV'S MAILBAG	FOCUS ON ASIA & THE PACIFIC					ADAMOV'S MAILBAG	01.00
01.30	RUSSIAN BY RADIO	M U S I C					AUDIO BOOK CLUB	01.30
02.00	MUSIC & MUSICIANS	U P D A T E			M Y R	JAZZ SHOW	MUSIC & MUSICIANS	02.00
02.30		FOLK BOX	M Y R	JAZZ SHOW				02.30
03.00	ADAMOV'S MAILBAG	NEWMARKET	SCIENCE & ENGINEERING	ADAMOV'S MAILBAG	MAILBAG	ADAMOV'S MAILBAG	ADAMOV'S MAILBAG	03.00
03.30	TIMELINES	AUDIO BOOK CLUB	RUSSIAN BY RADIO	AUDIO BOOK CLUB	RUSSIAN BY RADIO	AUDIO BOOK CLUB	YOUR TOP TUNE	03.30
04.00	N E W S A N D V I E W S							04.00
04.30								04.30
05.00	TOP PRIORITY	U P D A T E					TOP PRIORITY	05.00
05.30	JAZZ SHOW	YOURS FOR THE ASKING	M Y R	POLK BOX	MUSIC	TIMELINES	ADs	05.30
06.00	MAILBAG	FOCUS ON ASIA & THE PACIFIC					SCIENCE & ENGINEERING	06.00
06.30	M U S I C							06.30
07.00	SCIENCE & ENGINEERING	ADAMOV'S MAILBAG	MAILBAG	NEWMARKET	SCIENCE & ENGINEERING	CULTURE & THE ARTS	MAILBAG	07.00
07.30	RUSSIAN BY RADIO	M U S I C					RUSSIAN BY RADIO	07.30
08.00	TOP PRIORITY	U P D A T E					MUSIC & MUSICIANS	08.00
08.30	MUSIC	AUDIO BOOK CLUB	RUSSIAN BY RADIO	AUDIO BOOK CLUB	RUSSIAN BY RADIO	AUDIO BOOK CLUB		08.30
09.00	NEWMARKET	FOCUS ON ASIA & THE PACIFIC					TOP PRIORITY	09.00
09.30	YOURS FOR THE ASKING	M Y R	POLK BOX	MUSIC	JAZZ SHOW	POLK BOX	YOUR TOP TUNE	09.30
10.00	CULTURE & THE ARTS	MAILBAG	NEWMARKET	SCIENCE & ENGINEERING	ADAMOV'S MAILBAG	MAILBAG	NEWMARKET	10.00
10.30	AUDIO BOOK CLUB	M U S I C				ADs	TIMELINES	10.30
11.00	SCIENCE & ENGINEERING	U P D A T E					CULTURE & THE ARTS	11.00
11.30	MUSIC	RUSSIAN BY RADIO	AUDIO BOOK CLUB	RUSSIAN BY RADIO	AUDIO BOOK CLUB	TIMELINES	AUDIO BOOK CLUB	11.30

Date Time UTC	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	Date UTC Time
12.00	N E W S A N D V I E W S							12.00
12.30	M Y R	POLK BOX	MUSIC	JAZZ SHOW	YOURS FOR THE ASKING	M Y R	ADs	12.30
13.00	TOP PRIORITY	FOCUS ON ASIA & THE PACIFIC					MUSIC & MUSICIANS	13.00
13.30	RUSSIAN BY RADIO	M U S I C				YOUR TOP TUNE		13.30
14.00	MAILBAG	NEWMARKET	ADAMOV'S MAILBAG	CULTURE & THE ARTS	MAILBAG	NEWMARKET	SCIENCE & ENGINEERING	14.00
14.30	AUDIO BOOK CLUB	MUSIC	RUSSIAN BY RADIO	AUDIO BOOK CLUB	RUSSIAN BY RADIO	AUDIO BOOK CLUB	YOUR TOP TUNE	14.30
15.00	N E W S A N D V I E W S							15.00
15.30	POLK BOX	MUSIC	JAZZ SHOW	YOURS FOR THE ASKING	M Y R	TIMELINES	RUSSIAN BY RADIO	15.30
16.00	CULTURE & THE ARTS	FOCUS ON ASIA & THE PACIFIC					TOP PRIORITY	16.00
16.30	M U S I C							16.30
17.00	NEWMARKET	SCIENCE & ENGINEERING	CULTURE & THE ARTS	MAILBAG	NEWMARKET	MUSIC & MUSICIANS	CULTURE & THE ARTS	17.00
17.30	AUDIO BOOK CLUB	RUSSIAN BY RADIO	MUSIC	RUSSIAN BY RADIO	AUDIO BOOK CLUB		TIMELINES	17.30
18.00	N E W S A N D V I E W S							18.00
18.30	MUSIC	JAZZ SHOW	YOURS FOR THE ASKING	M Y R	POLK BOX	YOUR TOP TUNE	ADs	18.30
19.00	U P D A T E					MAILBAG	TOP PRIORITY	19.00
19.30	M U S I C							19.30
20.00	ADAMOV'S MAILBAG	MAILBAG	NEWMARKET	SCIENCE & ENGINEERING	CULTURE & THE ARTS	TOP PRIORITY	NEWMARKET	20.00
20.30								20.30
21.00	N E W S A N D V I E W S							21.00
21.30	JAZZ SHOW	YOURS FOR THE ASKING	M Y R	POLK BOX	JAZZ SHOW	ADs	TIMELINES	21.30
22.00	FOCUS ON ASIA & THE PACIFIC					MUSIC & MUSICIANS	MAILBAG	22.00
22.30	SCIENCE & ENGINEERING	CULTURE & THE ARTS	MAILBAG	ADAMOV'S MAILBAG	SCIENCE & ENGINEERING		ADs	22.30
23.00	U P D A T E					TOP PRIORITY	TOP PRIORITY	23.00
23.30	RUSSIAN BY RADIO	AUDIO BOOK CLUB	RUSSIAN BY RADIO	AUDIO BOOK CLUB	TOP PRIORITY	TIMELINES	AUDIO BOOK CLUB	23.30

NEWS & CURRENT AFFAIRS

WORLD NEWS

15 min: Daily 0400, 1500
9 min: Daily 0300, 0600, 0800, 1600, 2000, 2200; Mon-Sat 1200
5 min: Daily 0900, 2300; Sun-Fri 1700; Mon-Fri 1400, 1900; Tue-Sat 0100
1 min: News Summary Sun, Mon 0100;
Daily: 1000; Sat-Sun 1400, 1900; Sat 1700, Sun 1200

NEWSDESK
30 min: World, UK, financial and sports news, with the voices of the people in the news and dispatches from BBC correspondents and reporters. Daily 0000, 0200, 0700, 1100, 1800

NEWSHOUR
60 min: Up-to-the-minute international and British news. 0500 edition includes a look at the UK newspapers at approx 0545. Daily 0500, 1300, 2100

BRITISH NEWS
5 min: Daily 0309, 0609, 1609, 2209
Further coverage is included in *Newsdesk* at approx 20 minutes past the hour and in *Newshour* at 40 minutes past the hour

From Our Own Correspondent
15/20 min: BBC correspondents provide the background to the news. Sat 1830 rpt Sun 0330, 0730; Wed 2315 rpt Thu 0445, 0915
From The Weeklies
15 min: Review of the weekly press.
Sat 0030 rpt 1045, 1945
Network UK
30 min: Issues and events affecting the lives of people in the UK. Thu 0730 rpt 1615, 2215
People And Politics
Background to the British political scene.
Fri 2215 (ex 24th) rpt Sat 0230 (ex 25th), 0730 (ex 25th)
The World Today
15 min: Examines thoroughly a topical aspect of the international scene.
Mon-Fri 1645 rpt 2015 (Fri 2025); Tue-Sat 0615
Worldbrief
15 min: Review of the week's headlines and a general roundup ranging from sport to finance.
Fri 2315, Sat 0445, 0915

BUSINESS

World Business Report
9 min: Latest news from the markets in the Far East, Europe and the USA. Mon-Fri 0905, 1705, 2305; Sat 0905. You can hear more financial news at approx 0525, 1325 and 2125 in *Newshour* and in most editions of *Newsdesk*.
World Business Review
9 min: A look back at the previous week's events in the world of business and finance. Sun 0905, 1705, 2305

SPORT

Sports International
30 min: Wed 2215 (ex 29th) rpt Thu 0230, 0630 (ex 30th)
Sports Review Of The Year
1 x 30 min: Wed 29th 2215 rpt Thu 0230. 0630
Sports Roundup
15 min: Daily 0315, 0945, 1245 (ex Sun), 1745, 2245
Sportsworld
150 min: Sat (ex 25th) 1430-1500, 1515-1600, 1615-1730

RELIGION

Festival Of Nine Lessons And Carols
1 x 90 min: Fri 24th 1502 rpt Sat 0030, 0930
Focus On Faith
30 min: Thu 1830 rpt Fri 0330, 1001
In Praise Of God
30 min: Sun 1030 rpt 1715, Mon 0030
The Divine Supermarket
4 x 30 min: until Sun 19th 0230 rpt 1615, Mon 0730
The Greatest Story Ever Sold
1 x 45 min: Sat 11th 1901 rpt Mon 0101, 1515
Words Of Faith
5 min: Daily 0809 rpt 1209 (ex Sun), 2009; 2305 (Sat only ex 25th)

SCIENCE & TECHNOLOGY

Discovery
30 min: Tue 1001 rpt 1830, Wed 0330
Global Concerns
15 min: Fri 0145 rpt 0915, 1445
Health Matters
15 min: Mon 0815 rpt 1945, Tue 0145, 0415
In Search Of The Green Man
1 x 30 min: Fri 24th 0730 rpt 1215, 1930
Lost In Space
1 x 30 min: Fri 24th 2030 rpt Sat 1615, Sun 1001
New Ideas
20 min: Mon 1615 rpt Tue 0730, Wed 1215
Science In Action
30 min: Fri 1615 rpt 2030 (ex 24th), Sun 1001 (ex 26th)
Science Or Fiction?
6 x 15 min: from Wed 22nd 0130 rpt 0930, 1715
Seeing Stars
15 min: Sat 4th 0130 rpt Sun 0430, 0915, 2215
Waveguide
10 min: Sat 1030 rpt Wed 0415, Thu 0130

FEATURES & MAGAZINE PROGRAMMES

REGULARS:
Assignment
30 min: Wed 2030 rpt Thu 0330, 1001
Development '93
30 min: Tue 1930 rpt Wed 0230, 0730
Letter From America
15 min: Sat 1015 rpt Sun 0615, 1645, 2230
Network UK
30 min: Thu 0730 rpt 1615, 2215
Omnibus
30 min: Wed 0030 rpt 1001, 1930
On The Move
15 min: Thu 1930 rpt Fri 0130, 0930
Outlook
25 min: Mon-Fri 1405, 1905; Tue-Sat 0105 (ex 25th)
Personal View
15 min: Sat 0930 (ex 25th) rpt 1730, 2015
The Farming World
15 min: Thu 0145 rpt 0415, 0930, 1945
The Learning World
15 min: Thu 1445 rpt Sat 0045 (ex 25th), Mon 0615
Write On
10 min: Sat 1850 (ex 25th) rpt Sun 0350, 0750 (ex 26th)

SPECIAL FEATURES:
Farewell Pamela
1 x 30 min: Sat 25th 1830 rpt Sun 0330, 0730
Free At Last
4 x 30 min: until Fri 17th 0730 rpt 1215, 1930
Gifts Unwrapped
1 x 30 min: Sun 26th 0230 rpt 1615, Mon 0730
Heritage
6 x 30 min: from Sun 12th 1401 rpt Mon 0630, 1001
Images Of Britain
8 x 15 min: until Mon 20th 0415 rpt 0915, Wed 1515
Red Emperor
1 x 45 min: Sat 25th 1901 rpt Mon 0101, 1515
Trees
6 x 10 min: from Mon 6th 1635 rpt Tue 0750, Wed 1235
Unconsidered Trifles
8 x 15 min: from Mon 27th 0415 rpt 0915, Wed 1515
You Know It Makes Sense
6 x 30 min: from Fri 31st 0730 rpt 1215, 1930

● See also the two panels oppsite for programmes listed in *The State Of The States* season and special features for Christmas and New Year

ARTS & LITERATURE

Book Choice
5 min: Sat 1040 rpt 2310 (ex 25th), Wed 0425, Thu 0140
Good Books
15 min: Sat 0415 rpt Wed 1445, Thu 0815
Meridian
30 min: Sat 0630 rpt 1130, 2030; Tue 2030 rpt Wed 0630, 1130; Thu 2030 rpt Fri 0630, 1130
On Screen
15 min: Mon 2315 rpt Tue 0445, 0930

COMEDY & QUIZZES

Hoax
8 x 30 min: until Sun 19th 2030 rpt Mon 1215, Tue 0230
Is This London?
1 x 15 min: Sat 25th 0430 rpt 1945
Jarvis' Frayn
1 x 30 min: Sun 26th 2030 rpt Mon 1215, Tue 0230
Quote, Unquote
10 x 30 min: Mon 1715 rpt Tue 0030, Wed 0830
Two Cheers For 1993
1 x 30 min: Wed 29th 1530 rpt Thu 0030, 1030
Two Cheers For November
1 x 30 min: Wed 1st 1530 rpt Thu 0030, 1030

DRAMA & READINGS

OFF THE SHELF
15 min: Mon-Fri 0430 rpt 1430. **The Caravanners** until Fri 10th 0430 in 10 parts; **Vintage Thurber** from Mon 13th 0430 in 5 parts; **Five Christmas Stories** from Mon 20th 0430 in 5 parts; **Sir Gawain And The Green Knight** from Mon 27th 0430 in 5 parts

PLAY OF THE WEEK
Dr Strangelove
2 x 60 min: Sun 5th, 12th 0101 rpt 1201, 1901
Lord Arthur Savile's Crime
1 x 60 min: Sun 19th 0101 rpt 1201, 1901
The Unbearable Bassington
1 x 60 min: Sun 26th 0101 rpt 1201, 1901

SHORT STORY
15 min: from Sat 11th 0130 rpt Sun 0430, 0915, 2215

THIRTY-MINUTE DRAMA
Three F. Scott Fitzgerald Stories: What A Handsome Pair!; Two Wrongs; The Ice Palace
3 x 30 min: Thu 2nd, 9th, 16th 1130 rpt 1715, Fri 0230
Galahad At Blandings
4 x 30 min: from Thu 23rd 1130 rpt 1715, Fri 0230

MUSIC: CLASSICAL

Broadway Lights
8 x 30 min: until Mon 27th 2215 rpt Tue 0630, Wed 1615, Fri 1030
Capriccio
5 x15 min: until Mon 27th 0145 rpt Tue 1445, Fri 0415
Composer Of The Month
30 min: Mon 0230 rpt 1130, Tue 1715
Concert Hall
45 min: Sun 1515 rpt Tue 0815, 2315
Music Review
45 min: Thu 2315 rpt Fri 0815, 1515 (ex 24th)
Ray On Record
45 min: Sun 0815 rpt 2315, Thu 1515
The Story Of Western Music
6 x 30 min: from Tue 28th 1030 rpt Fri 0030, 1715

MUSIC: POPULAR

A Jolly Good Show
45 min: Sat 0815 rpt 2315, Tue 1515
Andy Kershaw's World Of Music
15 min: Mon 0445 rpt 0930, Wed 1730
Anything Goes
30 min: Sun 1430, Mon 0330, 0830
Coast To Coast
7 x 15 min: until Sun 26th 0415 rpt Mon 1930, Tue 0915
Country Style
15 min: Wed 0145 rpt 0445, 0915
Folk Routes
15 min: Fri 0445 rpt Sun 0930, 2015, Tue 0130
Jazz For The Asking
30 min: Sat 2215 rpt Sun 0630, Wed 1030
Jazz Now And Then
15 min: Sat 0145 rpt 0430, 1001 (ex 25th)
John Peel
30 min: Sat 1401 rpt Tue 0330, Thu 0830
Latins In The USA
4 x 30 min: until Tue 21st 1030 rpt Fri 0030, 1715
Megamix
30 min: Tue 1130 rpt 1615, 2215
Multitrack
30 min: **1** Mon 1830 rpt 2330, Tue 1215
2 Wed 1830 rpt 2330, Thu 1215
3 Fri 1830 rpt 2330, Sat 1215
The John Dunn Show
30 min: Sun 0030 rpt 1130, 1830
The Multitrack Sessions
8 x 15 min: from Sun 12th 0445 rpt Mon 1445, Wed 0815
The Vintage Chart Show
30 min: Sat 0330 rpt Mon 1030, 2030

BBC WORLD SERVICE

PROGRAMMES FOR CHRISTMAS AND NEW YEAR

Christmas Turkeys
1 x 45 min: Sat 18th 1901 rpt Mon 19th 0101, 1515
Festival Of Nine Lessons And Carols
1 x 90 min: Fri 24th 1502 rpt Sat 0030, 0930
Five Christmas Stories
5 x 15 min: Daily Mon 20th-Fri 24th 0430 rpt 1430
Gifts Unwrapped
1 x 30 min: Sun 26th 0230 rpt 1615, Mon 0730
Multitrack's New Year Party
1 x 30 min: Fri 31st 2330
The Queen's Christmas Message To The Commonwealth
1 x 5 min: Sat 25th 0900 rpt 1500, 2300

THE STATE OF THE STATES

American Icons
5 x 15 min: until Sun 5th 0445 rpt Mon 1445, Wed 0815
Broadway Lights
8 x 30 min: until Mon 27th 2215 rpt Tue 0630, Wed 1615, Fri 1030
Coast To Coast
7 x 15 min: until Sun 26th 0415 rpt Mon 1930, Tue 0915
Free At Last
4 x 30 min: until Fri 17th 0730 rpt 1215, 1930
Good Books
15 min: Sat 0415 rpt Wed 1445, Thu 0815
Heritage
6 x 30 min: from Sun 12th 1401 rpt Mon 0630, 1001
Homeward Bound: An Expat's Return To America's Heartland
5 x 15 min: until Wed 15th 0130 rpt 0930, 1715
Latins In The USA
4 x 30 min: until Tue 21st 1030 rpt Fri 0030, 1715
Letter From America
15 min: Sat 1015 rpt Sun 0615, 1645, 2230
Making America
7 x 30 min: until Sun 5th 1401 rpt Mon 0630, 1001
Meridian
30 min: Tue 14th 2030 rpt Wed 0630, 1130
On Screen
15 min: Mon 2315 rpt Tue 0445, 0930
Off The Shelf: Vintage Thurber
15 min: from Mon 13th-Fri 17th 0430 rpt 1430
Sports International
30 min: Wed 1st, 8th 2215 rpt Thu 2nd, 9th 0230, 0630
The Divine Supermarket
4 x 30 min: until Sun 19th 0230 rpt 1615, Mon 0730
The Stars And Stripes Forever
1 x 45 min: Sat 4th 1901 rpt Mon 0101, 1515
The Voices Of America
7 x 30 min: until Wed 22nd 1530 rpt Thu 0030, 1030

PLAYS OF THE WEEK
Dr Strangelove
2 x 60 min: Sun 5th, 12th 0101 rpt 1201, 1901

THIRTY-MINUTE DRAMA
Three F. Scott Fitzgerald Stories
3 x 30 min: Thu 2nd, 9th, 16th 1130 rpt 1715, Fri 0230

December

U S A (contd.)
MRS. BUSH'S STORYTIME, (yes, that Mrs. Bush, replaced PERSPECTIVES from ABC Sun. Dec. 5 at 1205 UT on KOA-850, 2305 on KSTP-1500, an ABC NEWS production we suspect fed at previous PERSPEX time w/out stations noticing! Midway thru, had promo for PERSPEX but no times. That was still on: Sun 1205 on KTOK-1000, Mon 0506 on WBAP-820, 0507 on WWWE-1100. KGBS-1190 Dallas ending Urdu (?) show UT Mon at 0500. PRESIDENT CLINTON'S Sat TALK heard here live 1506 UT on ABC via KFDI-1070 Wichita, KVOO-1170 Tulsa.

(via Don Thornton, NJ) NY Times Op-Ed Page, Nov. 16 exposes Pastor Pete Peters of SCRIPTURE FOR AMERICA on SW who has added TV show, as a leader in Christian Identity Movement, binding together KKK, neo-Nazis, socalled Christian patriots, white supremacists, violent subculture and vanguard political cause.

(via Allan J Mui, OK) Look up in library The Progressive, Nov. 93 for cover story Making Waves on Christian SW broadcasters you know and their impact, mainly HCJB, FEBC, TWR, and even ELWA considered one of the 'big 4'; sidebar on High Adventure. It's written by Frances Rivers.

DEUTSCHE WELLE, Nov-Dec 1993 schedule
(via George Thurman)

Target Area	UTC/GMT	Frequencies in kHz**	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
North America F	01:00-01:50	6040 6085 6120 6145 9565 9745 9700 [illegible]	News Commentary Living in Germany Larry's Random Selection Jazz	News European Journal New LP's	News European Journal Classical Music	News European Journal Golden Oldies	News European Journal German Folk Music	News European Journal Through German Eyes German Pop Music	News Commentary Mailbag/Nickelodeon German by Radio Black and Ethno Music
Caribbean	01:00-02:00	930 kHz medium wave							
South Asia C	02:00-02:50	1548 6035 6120 7285 7355 9565 9745 11865 11945 S 2c*	News Asia Pacific Report European Journal	News Asia Pacific Report European Journal	News Asia Pacific Report European Journal	News Asia Pacific Report European Journal	News Asia Pacific Report European Journal	News Commentary Panorama Economic Notebook	News Commentary/Sports Report Mailbag Asia
North America F	03:00-03:50	6045 6085 6120 9535 9545 9640 S1b,2b,3d,4d*	News Commentary Living in Germany Larry's Random Selection	News European Journal Economic Notebook	News European Journal Insight	News European Journal German by Radio	News European Journal Science and Technology	News European Journal Through German Eyes	News Commentary Mailbag/Nickelodeon German by Radio
East / Central / Southern Africa Middle East D	04:00-04:50	6015 6065 7150 7225 7275 9565 9765	News European Journal Africa in the German Press	News Africa Report European Journal	News Africa Report European Journ	News Africa Report European Journal	News Africa Report European Journal	News Commentary Panorama Man and Environment	News Commentary/Sports Report International Talking Point People and Places
North America F	05:00-05:50	5960 9565 6120 9670 S3d,4d*	News Commentary Living in Germany Larry's Random Selection	News European Journal	News European Journal	News European Journal	News European Journal	News European Journal Through German Eyes	News Commentary Mailbag/Nickelodeon German by Radio
West Africa E	06:00-06:50	5960 9765 11765 13790 15185 S2c,3d,4d*	News European Journal Africa in the German Press	News Africa Report European Journal	News Africa Report European Journal	News Africa Report European Journal	News Africa Report European Journal	News Commentary Panorama Man and Environment	News Commentary/Sports Report International Talking Point People and Places
East / Central / Southern Africa D	09:00-09:50	9565 15410 17800 21600	News Newsline Cologne Hallo Africa African News	News Newsline Cologne Hallo Africa African News	News Newsline Cologne Hallo Africa African News	News Newsline Cologne Hallo Africa African News	News Newsline Cologne Hallo Africa African News	News Africa this Week Mailbag Africa	News Arts on the Air German by Radio
Asia and the Pacific A B C	09:00-09:50	6160 11715 17780 17820 21650 21680 S 2c, 3d, 4d*	News Newsline Cologne Science and Technology	News Newsline Cologne Man and Environment	News Newsline Cologne Insight	News Newsline Cologne Living in Germany	News Newsline Cologne Spotlight on Sport	News International Talking Point Development Forum Religion and Society	News Arts on the Air German by Radio
West Africa E	11:00-11:50	15370 15410 17765 17800 21600	News Newsline Cologne Hallo Africa African News	News Newsline Cologne Hallo Africa African News	News Newsline Cologne Hallo Africa African News	News Newsline Cologne Hallo Africa African News	News Newsline Cologne Hallo Africa African News	News Africa this Week Mailbag Africa	News Arts on the Air German by Radio
East / Central / Southern Africa Middle East D	15:00-15:50	7195 9735 11965 15145 17765 S3d,4d*	News Newsline Cologne African News Monday Special	News Newsline Cologne African News Insight	News Newsline Cologne African News Living in Germany	News Newsline Cologne African News Spotlight on Sport	News Newsline Cologne African News Economic Notebook	News Africa Highlight Development Forum Science and Technology	News Religion and Society Through German Eyes Pop from Germany
South Asia C	16:00-16:50	1548 6170 7225 7305 9585 9665 11785 15105 S2c,3d,4d*	News Newsline Cologne Science and Technology	News Newsline Cologne Man and Environment	News Newsline Cologne Insight	News Newsline Cologne Living in Germany	News Newsline Cologne Spotlight on Sport	News International Talking Point Development Forum Religion and Society	News Arts on the Air German by Radio
Europe G	18:15-19:00	1269 S 1c*	News Report from Bonn The Third Reich at War	News Germany today	News Report from Bonn Come to Germany Letter from Berlin	News Germany today	News Report from Bonn Science Brief Germany today	News Bonn this Week Sports Report Germany today	News Sunday Concert or Travel feature
West Africa Middle East E	19:00-19:50	9665 9765 11740 11765 11785 13790 15425 S3d,4d*	News Newsline Cologne African News Monday Special	News Newsline Cologne African News Insight	News Newsline Cologne African News Living in Germany	News Newsline Cologne African News Spotlight on Sport	News Newsline Cologne African News Economic Notebook	News Africa Highlight Development Forum Science and Technology	News Religion and Society Through German Eyes Pop from Germany
Asia and the Pacific A B C	21:00-21:50	6185 9670 9765 11785	News European Journal Asia Pacific Report	News European Journal Asia Pacific Report	News European Journal Asia Pacific Report	News European Journal Asia Pacific Report	News Commentary Panorama Economic Notebook	News Commentary/Sports Report Mailbag Asia	News European Journal Asia Pacific Report
West Africa E	21:00-21:50	9690 9715 15425	News European Journal Science and Technology	News European Journal Man and Environment	News European Journal Insight	News European Journal Living in Germany	News Commentary Panorama Spotlight on Sport	News Commentary/Sports Report International Talking Point People and Places	News European Journal Africa in the German Press

(gh) WRMI Miami began testing own 400-W backup xmtr & corner reflector ant toward Caracas, Nov. 11 on 9955, heard by Mike Hardester, Leslie Edwards; many more heard loop ID on Nov. 13 and subsequently. Jeff White advises that 50 kW unit may be ready to test by mid-Dec; plans daily hour VIVA MIAMI magazine in English & Spanish; we begged him to give us ONE US SW stn w/out preachers, but Jeff says some such business necessary. Big question is how good the WRMI signal will be toward the north. (to p 39)

At 0730, 1000, 1700 Mon-Fri, 1900, 2030 & the following UT day at 0030, 0300 & 0500:

Mon-Fri Ralph Kurtenbach & Curt Cole serve as your hosts on STUDIO 9 with emphasis on LAm. News, current affairs, features & interviews. On the ½ hour: Mon INTROSPECT, focusing on issues & ethics; Tue Allan Graham takes a quantum leap into the science & technology of the future on EL MUNDO FUTURO; Wed HAM RADIO TODAY with John Beck; Thu Karen Schmidt helps tune up your taste buds on WHAT'S COOKING IN THE ANDES?; Fri Jorge Zambrano presents his unique mix of Ecuadorian music & friendly chatter on MUSICA DEL ECUADOR.

Sat° NEWS; DX PARTY LINE with Rich McVicar & Karen Schmidt. Monthly features include Radio Stamps; ODXA Perspective; Arthur Cushen DX News; Nat'l Radio Club, SPEEDX, EDXC, SPARC reports.

Sun° NEWS; SALUDOS AMIGOS. Features alternate: Your Question Please; Write On (pen pals); Quito Radio Theater, short dramatic presentations on life & faith. [°not heard at 1700]

HOUR BY HOUR 0030-2300 [*produced by HCJB]

0030 *STUDIO NINE, etc. as above.
0130 Sun SCIENCE, SCRIPTURE & SALVATION; :45 WONDERFUL WORDS OF LIFE. Mon THE SOWER; :45 GET SET. Tue-Sat FOCUS ON THE FAMILY.
0200 Sun STORIES OF GREAT HYMNS; :15 HOUR OF DECISION. Mon MOUNTAIN MEDITATIONS. Tue-Sat JONI; :05 GUIDELINES FOR FAMILY LIVING; :15 RENDEZVOUS.
0230 Sun *MUSICAL MAILBAG. Mon *HCJB TODAY. Tue-Sat INSIGHT FOR LIVING.
0300 STUDIO NINE, etc. as above.
0400 Sun SPORTS SPECTRUM. Mon *GLORIOUS INTENTIONS; :15 GET SET! Tue PSYCHOLOGY FOR LIVING; :15 CHORDS OF LOVE. Wed WONDERFUL WORDS OF LIFE; :15 ANSWERS. Thu LET MY PEOPLE THINK. Fri CHRISTIAN BROTHERHOOD HOUR. Sat *ON LINE.
0430 Sun UNSHACKLED. Mon *HCJB TODAY. Tue-Sat IN TOUCH.
0500 STUDIO NINE, etc. as above.
0600 Sun *MUSICAL MAILBAG. Mon *HCJB TODAY. Tue *GLORIOUS INTENTIONS; :15 RENDEZVOUS. Wed-Sat JONI; :05 GUIDELINES FOR FAMILY LIVING; :15 RENDEZVOUS.
0630 Sun RADIO READING ROOM. Mon LET MY PEOPLE THINK. Tue *ON LINE. Wed SOUNDS OF JOY. Thu UNSHACKLED. Fri THE CHRISTIAN'S HOUR. Sat *BLUES, RAGS & ALL THAT JAZZ.
0700 to EUROPE: Sun FRIENDS OF ISRAEL. Mon *HCJB TODAY. Tue BACK TO GOD HOUR. Wed SCIENCE, SCRIPTURE & SALVATION; :15 THE WORD TODAY. Thu WORDS OF HOPE. Fri *ON LINE. Sat *MUSICAL MAILBAG.
0705 to PACIFIC: Sun SOUNDS OF THE TIMES. Mon-Fri GUIDELINES FOR FAMILY LIVING. Sat OUR DAILY BREAD. :15 Daily *WORDS OF TRUTH.
0730 *STUDIO NINE, etc. as above.
0830 Sun *MOUNTAIN MEDITATIONS. Mon-Fri THRU THE BIBLE. Sat *MUSICAL MAILBAG.
0900 Sun HOUR OF DECISION; :15 STORIES OF GREAT HYMNS. Mon-Fri IN TOUCH; :15 GETTING THE MESSAGE. Sat ENCOUNTER.
0930 Sun RADIO BIBLE CLASS. Mon *HCJB TODAY. Tue FOCUS ON THE FAMILY. Wed FAMILY BIBLE HOUR. Thu WORDS OF HOPE. Fri HAVEN OF REST. Sat THE SOWER; :45 WONDERFUL WORDS OF LIFE.
1000 *STUDIO NINE, etc. as above.
1100 Sun COMMUNICATION; :15 SOUNDS OF THE TIMES. Mon-Fri RENDEZVOUS; :15 GUIDELINES FOR FAMILY LIVING. Sat FAMILY FOUNDATIONS.
1130 Sun MORNING SONG. Mon-Fri INSIGHT FOR LIVING. Sat SOUNDS OF JOY.
1200 Sun KIDS CORNER. Mon-Fri *MORNING IN THE MOUNTAINS. Sat WE KIDS.
1230 Sun YOUR STORY HOUR. Mon-Fri *MORNING IN THE MOUNTAINS cont. Sat A VISIT WITH MRS. G; :45 CRITTER COUNTRY.
1300 Sun ADVENTURE CLUB; :15 THE WORD TODAY. Mon-Fri *MORNING IN THE MOUNTAINS cont. Sat ADVENTURES IN ODYSSEY.
1330 Sun TELLING THE TRUTH. Mon-Fri FOCUS ON THE FAMILY. Sat CHILDREN'S BIBLE HOUR.
1400 Sun *MOUNTAIN MEDITATIONS. Mon-Fri STORIES OF GREAT CHRISTIANS; :15 OUR DAILY BREAD; :24 *HCJB NEWS. Sat SONGTIME.
1430 Sun MOODY PRESENTS. Mon-Fri THRU THE BIBLE. Sat LET MY PEOPLE THINK.
1500 Sun URBAN ALTERNATIVE. Mon-Fri KEY LIFE; :15 GATEWAY TO JOY. Sat UNSHACKLED.
1530 Sun HEAVEN & HOME HOUR. Mon-Fri BACK TO THE BIBLE. Sat RADIO READING ROOM.
1600 Sun TELLING THE TRUTH. Mon-Fri FOCUS ON THE FAMILY. Sat ODYSSEY.
1630 Sun *MOUNTAIN MEDITATIONS. Mon-Fri BACK TO THE BIBLE. Sat UNSHACKLED.
1700 Sun LET MY PEOPLE THINK. Mon-Fri *STUDIO NINE as above. Sat SOUNDS OF JOY.
1730 Sun *GLORIOUS INTENTIONS; :45 GET SET. Mon-Fri *STUDIO NINE cont. Sat 1730 *GLORIOUS INTENTIONS; :45 WONDERFUL WORDS OF LIFE.
1800 Sun TELLING THE TRUTH; Mon-Fri INSIGHT FOR LIVING. Sat ODYSSEY.
1830 Sun *MOUNTAIN MEDIATIONS. Mon-Fri FOCUS ON THE FAMILY. Sat *MUSICAL MAILBAG.
1900 *STUDIO NINE, etc. as above.
2000 Sun UNSHACKLED. Mon-Fri INSIGHT FOR LIVING. Sat ODYSSEY.
2030 *STUDIO NINE, etc. as above.
2130 Sun *BLUES, RAGS & ALL THAT JAZZ. Mon FRIENDS OF ISRAEL. Tue *MOUNTAIN MEDITATIONS. Wed THE SOWER; :45 CHORDS OF LOVE. Thu WONDERFUL WORDS OF LIFE; :45 COMMUNICATION. Fri *ON LINE. Sat *MUSICAL MAILBAG.
2200 Sun LET MY PEOPLE THINK. Mon-Fri FOCUS ON THE FAMILY. Sat ODYSSEY.
2230 Sun *MOUNTAIN MEDITATIONS. Mon-Fri BACK TO THE BIBLE. Sat UNSHACKLED.

From HCJB program schedule Oct 93-March 94. To NAm 0030-0430 on 15155, 9745; 0500-0700 on 11925; 1130-1600 on 17890, 15155 until 1430, 11925. To Eur 0700-0830 11835, 6205; 1900-2000 & 2130-2200 on 17790, 15270. To SPac 0705-1130 on 11925, 9745. To Middle East 1700-1800 17790, 15270. 21455 USB 0030-2300; program guide does not say which service it carries at 0700-0730. 17490 USB "on most releases." (edited & typed by John Norfolk, OKCOK)

BROADCASTS IN ENGLISH audible in North America
compiled by John Norfolk

ALASKA KNLS NAE
0800-0900 C 7365
1300-1400 C 7355
ALBANIA R Tirana
0130-0200 B 11840 9580
0230-0245 B 11840 9580
2300-2315 C 11825 9760
ALGERIA RTVA
1500-1600 C 17745 15205 11715
1900-2000 C 17745 11715 9535(replaced by 1500? gh)
ARGENTINA RAE
0200-0300 C 11710 Tue-Sat
ARMENIA R Yerevan
0344-0357 C 17690 17605 10344° 7105
2244-2257 C 11920 9705 7440
2343-2357 C 12010 11920 9685
AUSTRALIA R Australia
0030-0600 C 21740 17795 11720
0600-0800 C 11720 6020
0800-0900 B 11720 9710 9580 7240 6020 5995
0900-1000 B 13605 9580 9510
1000-1100 B 9580
1100-1200 B 13605 9710 9580 9510 7240 6080 6020
1200-1230 B 9710 9580 7240 6080 6020
1230-1300 B 9580 7240
1300-1430 B 11800 9580 7240
1430-1600 B 11800 11680 9580 9510 7260 7240 6080 6060
1600-1800 B 11695 11680 9580 9510 7260 7240 [& 6060 1630-]
1800-2100 C 11695 9580 7260 7240 6060 5995
2130-2400 C 21740 17795
AUSTRIA R Austria Int'l
0130-0200 B 13730 9870 9655
0330-0400 B 13730 9870
0530-0600 A 6015
0630-0700 A 6015
1230-1300 C 13730
1330-1400 C 17730 15450
1630-1700 C 11780
2330-2400 B 13730 9870
BANGLADESH R Bangladesh
1230-1300 C 13615
BELGIUM R Vlaanderen Int'l
0030-0055 B 9930 5900
1330-1355 B 21810 17590 Sun
1400-1425 B 21810 17590 Mon-Sat
BRAZIL R Bras
1200-1320 C 15445
BULGARIA R Bulgaria
0100-0200 B 9700 7455
0500-0630 B 11720 9700
1130-1300 C 13645 11645
1515-1645 C 12085
1830-2000 C 9700 7455
2100-2200 C 9700 6085
2245-2415 B 9700 7455
CANADA CBC
24 hours C 6070 [CFRX Toronto]
24 hours C 6005 [CFCX Montreal]
CANADA R Canada Int'l
0200-0300 B 11940 11845 9755 9535 6120
0300-0400 B 9755 9725 6000 NAE
0400-0430 C 9670 9505 6150
0600-0630 B 11905 9760 9740 7155 6150 6050
1300-1400 B 17820 11855 Mon-Fri
1400-1700 B 17820 11955 Sun
1430-1500 B 17820 15325 11935 11915 9555 [& 15315 Mon-Sat]
2130-2230 B 17820 15325 15140 13670 13650 11945 7260 5995
2300-2330 C 7250 5995 [Sat-Sun -0100]
2300-2330 B 11940 11845 9755 9535 5960 [Sat-Sun -2400]
2330-0100 B 9755 5960 [Sun-Mon 0000-]
CHINA China R Int'l
0000-0100 B 11715 9780
0300-0400 B 11715 9780 9690
0400-0500 B 11680
0500-0600 A 11840
1200-1300 C 15440 9655
1400-1600 B 7405
1600-1700 C 15130 15110 11575
COSTA RICA R For Peace Int'l NAE
24 hours B some of 21465° 15030 7385 9375° 6200
CROATIA Croatian R Zagreb
2203-2213 C 13830 13640 9830 5920
CUBA R Havana
0000-0200 B 9815° 6010
0200-0400 B 9510 6010
0400-0500 B 6180 6010 [& 9510 -0430]
0500-0700 B 9510
2100-2200 B 15165
2200-2300 B 6180
CZECH REPUBLIC R Prague
0000-0027 B 9810 9405 7345 5930 5915
0100-0130 B 9405 7345 5915
0300-0330 B 9810 9405 7345 5930 5915
0400-0430 B 13715 9810 9405 7345 5930 5915
ECUADOR HCJB [17490° "on most releases"]
0030-0430 A 21455° 15155 9745
0430-0500 C 21455°
0500-0700 B 21455° 11925
0700-0730 B 21455° 11835 6205
0705-0730 B 11925 9745
0730-0830 B 21455° 11925 11835 9745 6205
0830-1130 B 21455° 11925 9745
1130-1430 B 21455° 17890 15115 11925
1430-1600 B 21455° 17890 11925
1600-1700 C 21455°
1700-1800 C 21455° 17790 15270
1800-1900 C 21455°
1900-2000 C 21455° 17790 15270
2000-2130 C 21455°
2130-2200 C 21455° 17790 15270
2200-2300 C 21455°
EGYPT R Cairo
0200-0330 B 11600 9475
1215-1330 C 17595
1630-1830 C 15255
2030-2200 C 15375
2115-2245 C 9900
FINLAND R Finland [Freq info 1-800-221-9539 in the USA]
1230-1300 B 15400 11735 Mon-Fri
1330-1400 B 17740 15400 Mon-Sat
1430-1500 B 17740 15400
FRANCE R France Int'l
1200-1300 B 21645 15195 15155 13640 9805

1400-1500 B 17650 15405 12035 11910
1600-1700 B 17850 17795 17620 15330 12015 11705 6175

GERMANY Deutsche Welle
0100-0150 A 9745 9700 9565 6145 6120 6085 6040
0300-0350 A 9640 9545 9535 6120 6085 6045
0500-0550 A 9670 6120 6045 5960
2100-2150 C 15425 9715 9690

GREECE V of Greece
0130-0150 B 11645 9420 9380 Mon-Sat
0340-0350 B 11645 9420 9380 Mon-Sat
1435-1450 B 17535 15630

GUAM KSDA
0200-0300 C 13720 Sat-Sun
1700-1900 C 13720 Sat-Sun
2300-2400 C 15610

GUAM KTWR
0750-0915 C 15200
0855-1000 C 11805
1500-1630 C 15610 [Mon-Tue 1615; Sun -1700]

GUATEMALA TGNC
0300-0430 C 3300 [Sun 2345-]

HAWAII KWHR NAE [authorized for Dec 1993]
0000-0200 - 17555
0200-0600 - 17510
0600-1600 - 9930
1600-1800 - 7435
1800-2000 - 13625
2000-2200 - 13720
2200-2400 - 17510

HUNGARY R Budapest
0300-0400 B 15220 11910 9835 5970
2200-2300 C 11910 9835 7220 6110

INDIA All India R
1000-1100 C 21735 17895 17387 15050
1330-1500 C 15120 11760
1745-1945 C 15080 11935 11860 11620 9950 7412
2045-2230 C 15265 11715 11620 9950 9910 7412
2245-2445 C 15145 15110 11745 11715 9910

INDONESIA Voice of Indonesia
0100-0200 D 11752 9675
0800-0900 D 11752 9675
2000-2100 D 11752 9675

IRAN R Tehran
0030-0130 C 11790 9022
1530-1630 C 11790
1930-2030 C 15260 9022

IRAQ R Iraq Int'l
1400-1600 C 15205?
1800-2245 C 11810 [& 13680 -2145] NAE
2200-0300 C 17940 15205 15180 NAE

ISRAEL Kol Israel
0500-0515 C 17545 11603 9435
1100-1130 C 17545
1400-1425 C 15650 15640 Sun-Thu
1800-1815 C 17575 15640 11603 11587
2000-2030 C 17575 11675 11603 11585 9435 7465
2230-2300 B 17575 11675 11603 11585 9435 7465

ITALY RAI
0100-0120 B 11800 9725 6005

JAPAN R Japan
0100-0200 B 17845 17810 17775 15195 11860 11840
0300-0400 C 17810 15210 9610 5960 [& 15325 11725 -0330]
0500-0600 B 17810 15410 11885 11740 9610 7230 6085 6025
1100-1200 B 15445 9610 6120
1400-1500 B 11915 11705 9750 9535
1500-1600 B 15355 11915 9750 9535
1700-1800 C 17870 11915 9750 9535
1900-1930 C 11915 11875 9660 9640 9535 6185
2100-2200 C 11925 11915 9660 9640 6185 6035
2300-2400 C 15430 9660 7140 6125 6050

JORDAN R Jordan
1200-1300 D 9560
1500-1730 D 9560

KOREA NORTH R Pyongyang
0000-0050 C 15130 13760 11335
0800-0850 C 15230 15180
1100-1150 B 11335 9977 6576
1300-1350 C 15230 13760 11740 9640 9345
2300-2350 C 13650 11700

KOREA SOUTH R Korea
0100-0200 C 15575
0600-0700 C 15155 11945
1130-1200 B 9650
1200-1300 C 9640

KUWAIT R Kuwait
1800-2100 C 13620 [may start at 1730]

LITHUANIA R Vilnius
0000-0030 B 7150 Tue-Sat
2000-2030 C 9710 9675 9400
2230-2300 C 9710 9675

MALAYSIA V of Malaysia
0555-0825 C 15295 9750 6175

MALTA V of Mediterranean
0600-0800 C 9765

MEXICO R Educacion
24 hours C 6185 NAE [EG sporadic]

MONACO TWR
0740-0920 B 7385 [Sat -0935; Sun -0945]

MONGOLIA R Ulan Bator
0910-0940 D 12015 11850 Mon/Thu/Sat
1200-1230 D 12015 11850 Mon/Thu/Sat
1445-1515 D 7780 7260 Mon/Thu/Sat
1940-2010 D 11850 11790 Mon/Thu/Sat

NETHERLANDS R Netherlands
0030-0325 C 9860 [& 7305 -0125; 11655 9845 0130-]
0330-0425 A 9590 6165
0730-1025 B 9720 [& 9630 -0825; 9865 0930-]
0930-1125 C 9810 7260
1130-1325 C 9650 5955
1330-1625 C 13700 9895 [& 15530 -1425; 15150 1430-]
1730-2025 C 21590 [& 21515 9605 -1925; 17605 1930-]
2330-0125 A 6165 6020 [& 11655 9840 0030-]

NEW ZEALAND R New Zealand Int'l
0659-1206 B 9700
1207-1649 B 9655 occasional
1650-1849 C 9655 Mon-Fri
1850-2139 C 11735
2140-0658 C 15115

NIGERIA V Of Nigeria
0500-0700 C 7255

N MARIANA ISLANDS KHBI NAE
0800-0900 C 13615
0900-1000 C 17555 13615
1000-1100 C 13625 9430
1100-1200 C 9430
1200-1300 C 13625 9425

10

1300-1400 C 13625
1400-1600 C 9355
1600-1800 C 13625
1800-1900 C 9355 (& 1900-2000 C 9930)
2100-2200 C 13840
2200-2400 C 13625 9430

NORWAY R Norway Int'l
0000-0030 B 9675 9590 Mon
0200-0230 B 6115 Mon
0300-0330 B 6115 Mon
2000-2030 C 9590 Sun
2300-2330 B 6120 Sun

PAKISTAN R Pakistan
0230-0245 C 21730 17725 17705 15191 7290
0800-0845 C 21520 17900
1100-1120 C 21520 17900 ~~9-70~~
1600-1630 C 17725 15675 15515 13590 11570 9485
1700-1750 C ~~9355~~ 7355

PALAU KHBN NAE
0800-1530 C 9830
2000-0100 C 9830

PHILIPPINES FEBC
0000-0200 C 15450 [Sat-Sun -0130]
0900-1100 C 11690
1300-1600 C 11995

PHILIPPINES R Pilipinas
0230-0330 C 21580 17840 17760

POLAND Polish R Warsaw
1300-1355 C 11815 9525 7270 7145 6135
1600-1655 D 9525 7285
1800-1855 D 9525 7285 7270
2030-2125 D 9525 7285 6135

PORTUGAL R Portugal Int'l
0230-0300 B 11840 9705 9600 9570 Tue-Sat

ROMANIA R Romania Int'l
0200-0255 C 11940 11830 9570 9510 6155
0400-0430 C 11940 11830 9570 9510 6155
0632-0645 C 9510
2100-2200 C 7195 7105 6105 5990

RUSSIA R Moscow
0000-0100 B 21480 15425 12050 9620 7165
0100-0300 B 21480 15425 12050 9620 7180 7165 5915
0300-0400 B 15425 12050 7270 7180 7165 5815
0400-0600 B 7180 7165 5915
1100-1400 C 17760 15380 15210
1400-1500 B 17760 15380 15210 7345 7105 6165
1500-1600 B 17760 15380 15210 7345 7260 7250 7105 6165
1600-1700 B 15380 9550 9540 7345 7260 7250 7105 6165
1700-1800 B 9550 9540 7345 7260 7250 7180 7105 6165
1800-1900 B 12050 9550 7260 7250 7160 7105 6165
1900-2000 B 15425 12050 9550 7260 7180 7105
2000-2100 B 17605 15425 12050 9550 7260 7250 7130
2100-2300 B 17690 17605 15425 12050 9750 9620 9550 7180 7150
2300-2400 B 21480 15425 12050 9750 9620

SERBIA R Yugoslavia
0100-0130 B 6190
0200-0230 B 6190

SEYCHELLES FEBC
0500-0553 C 17750 Fri
1500-1555 C 11710 [Sun -1558]
1500-1600 C 15330 9810 except Sun

SLOVAKIA R Slovakia Int'l
0100-0130 B 9810 7310 5930

SOUTH AFRICA Channel Africa
0300-0500 C 9730 5960
0500-0600 C 11745 7230
0600-0700 C 17710 7230
1000-1100 C 17805
1100-1200 C 9730
1500-1800 C 15240 7270

SPAIN Spanish National R
0000-0200 A 9540
0500-0600 A 9540

SRI LANKA SLBC
0445-0515 C 15425 9720 Tue
2330-2400 C 15425 Mon

SUDAN Nat'l Unity Radio
1500-1530 C 9165

SWEDEN R Sweden
0030-0100 C 11650 9695
0230-0300 B 11650 9695
0330-0400 B 11650 9695
1330-1400 B 17870 15240
1430-1500 B 17870 15420

SWITZERLAND Swiss R Int'l
0100-0130 B 17740 9885 6135
0400-0430 B 9885 9860 6135
0600-0630 C 15430 13635 9885
0900-0930 C 21820 13685 9885
1100-1130 C 15505 13635 9885
1300-1330 C 15505 13635 11690 7480
1500-1530 C 15505 13635 9455
1700-1730 C 17635 13635 9885
2000-2030 C 15505 13635 12035

SYRIA R Damascus
2005-2105 D 15095 12085 9950?
2110-2210 D 15095 12085 9950?

TAIWAN Voice of Free China [via WYFR]
0200-0400 B 9680 5950 [& 11740 -0300]
0700-0800 B 5950
2200-2300 B 11915 9850

THAILAND
1130-1230 C 11905 9655 4830

TURKEY V of Turkey
0400-0450 C 9445
2100-2150 C 9445
2300-2350 C 11895 9445 7185

UKRAINE R Ukraine Int'l [incomplete]
0100-0200 B 7240 7195
229902399 B 7240 7195

UNITED ARAB EMIRATES Abu Dhabi
2200-2400 C ~~11885~~ 9605 9770

UNITED ARAB EMIRATES Dubai
0330-0400 C 21485 15400 13675 11945
1600-1640 C 21605 15320 13675 11795

UNITED KINGDOM BBC
0000-0230 A 15260 11750 9915 9590* 7325 6175 6005 5975 [*includes Caribbean service repeat Tue-Sat 0145-0200]
0230-0330 A 15260 11750 9915 7325 6175 6005 5975
0330-0430 A 9915 7325 5975
0430-0500 A 5975
0500-0730 A 9640 5975
0730-0815 A 9640

0900-1100 C 15190 11750 9740
1100-1130 A 15220 9515 6195 5965
1130-1200 A 15220 9515 6195 [& 5965 Sat-Sun]
1200-1300 A 15220 9740 9515 6195
1300-1400 B 15220 11820 9740 9515 6195
1400-1500 B 17840 15260 9515 [& 11820 9740 Sat-Sun; 6195 -1430]
1500-1600 B 17840 15260 9515
1600-1745 B 15260 9515 [& 17840 -1615]
1745-2000 C 15070 12095
2000-2100 B 15260 5975
2100-2200 B 15260 9590 5975
2200-2300 A 15260 11750 9915 9590 7325 5975
2300-2400 A 15260 11750 9915 9590 7325 6175 5975

UNITED KINGDOM BBC Caribbean
2115-2130 B 21660 17715 15140 Mon-Fri

UNITED KINGDOM BBC English by Radio NAE
0245-0300 A 15390 11965 9825 9515 6110
1130-1145 B 21490 15190
2315-2330 B 15390 11765 9825 9560 6110
2345-2400 B 15390 11765 6110 5875

UNITED STATES KCBI [times may vary]
0200-1400 B 9815
1400-2300 B 15725
2300-0200 B 13740

UNITED STATES KGEI
2200-2230 B 15280 Sun

UNITED STATES KJES [irregular]
1300-1500 B 11715
2000-2100 B 15545

UNITED STATES KTBN
0000-1600 B 7510
1600-2400 B 15590

UNITED STATES KVOH NAE
0400-0800 B 9785
1500-0400 B 17775

UNITED STATES VOA Africa
0300-0400 B 11965 9885 9575 7405 7280 7265 7105
0400-0500 B 9575 7405 7280 7265
0500-0600 B 15600 12080 9665 7405 6035
0600-0630 B 15600 12080 11925 9665 9530 7405 6035
1630-1700 C 17790 15445 15410 15320 15225 13710 12040 11920 [Sat-Sun -1600]
1700-1800 C 17790 15445 15410 15320 13710 12040 11920 [& 13710 1730-]
1800-2000 B 17800 15580 15410 13710 12040 11920 [& 15320 13675 -1900]
2000-2100 B 21485 17800 15580 15495 13710 [& 15495 15160 -2030]
2100-2130 B 21485 17895 17800 15580 15445 15410 13710
2130-2200 B 21485 17800 15580 15410 13710 except Sat

UNITED STATES VOA Americas
0000-0200 A 15205 15120 11580 9775 9455* 7405 6130* 5995 [& 11695* -0100] [*different pgms 0030-0100 to the Caribbean]
0200-0230 A 15205 15120 11580 9775 7405 5995 Tue-Sat
1000-1200 A 15120 11915 9590 7405

UNITED STATES VOA Asia-Pac
0000-0100 C 17820 17735 15290 15185 11760 9770 7225
0100-0300 B 21550 17740 15250 11705 9740 7651° 7205 7115
1000-1100 B 15425 11720 9585
1100-1200 B 15425 15160 11720 9760 6110 5985
1200-1330 B 15425 15160 11715 9760 6110
1330-1400 C 15425 15160 9760 6110
1400-1500 C 15425 15395 15205 15160 9760 9645 7125 6110 [& 11705 9690 1430-]
1500-1600 C 15395 15205 9760 9700 9645 7125 6110 [& 11705 1530-]
1600-1700 C 15395 15205 9760 9700 9645 7125 6110
1700-1800 C 15395 15205 9760 9700 6040
1900-2000 C 15180 11870 9525
2100-2200 C 17735 15185 11870
2200-2400 C 17820 17735 15305 15290 15185 11760 9770 7215 [& 6035 -2300]

UNITED STATES VOA Middle East
0400-0500 C 7170 6873°° 6140 6040 5995
0500-0600 C 15205 11825 9700 9530 7170 6873°° 6140 6040 5995
0600-0700 C 15205 11825 11805 7325 7170 6873°° 6140 6060 6040 5995
1500-1700 C 19379°° 15205 9700
1700-1800 C 19379°° 15205 9760 9700 9645 7125 6110
1800-2000 C 19379°° 15205 9760 9700 6040
2000-2100 C 19379°° 15205 11760 9760 9700 6040
2100-2200 C 19379°° 15205 11960 11760 9760 6040

UNITED STATES WCSN NAE
0400-0600 A 9840 (& 0600-0700 A 7465)
1800-2000 A 21640
2000-2100 A 13770
2100-2200 A 7510

UNITED STATES WEWN
0100-0200 A 13710 7425
0300-0500 A 7425
0600-0700 A 13710 7425
0700-0800 A 9430 9370 7425
0800-0900 A 9985 9350
0900-1000 A 9370 9350
1300-1500 A 17535 9350
1500-1600 A 21710 17510
1600-1700 A 17510 13615
1700-1900 A 13615
1900-2100 A 15695 13615
2100-2200 A 13615
2200-0200 A 7425

UNITED STATES WHRI #1 NAE
0800-1000 B 7355 [Sun -1100]
1000-1300 B 9850 except Sun
1300-1400 B 11790 [Sun 1100-]
1400-1800 B 15105
1800-2100 B 9485
2100-2300 B 17830
2300-0800 B 9495

UNITED STATES WHRI #2 NAE
1300-1700 B 9465 [Sun -1600]
1700-2300 B 13760 [Sun 1600-]
2300-1300 B 7315

UNITED STATES WINB NAE
1600-2100 B 15295
2100-2245 B 15185
2245-0330 B 15145

UNITED STATES WJCR
 24 hours B 13595 7490
UNITED STATES WMLK NAE
 0400-0700 B 9465 Mon-Sat
 1700-2000 B 9465 Sun-Fri
UNITED STATES WRMI NAE
 --------- B 9955 [currently testing]
UNITED STATES WRNO NAE [schedule is erratic]
 0400-0800 B 7395
 1600-2300 B 15420
 2300-0400 B 7355
UNITED STATES WSHB NAE
 0000-0300 A 9430 5850
 0300-0400 A 5850
 0400-0500 A 7465
 0600-0700 A 7535
 0700-0800 A 7465
 0900-1000 A 9840 7395
 1100-1200 A 7465 7395
 1200-1300 9455 7465 (& 7465 -1400)
 1400-1500 A 9455
 1900-2200 A 9355
 2200-2400 A 17555 7510
UNITED STATES WWCR #1 NAE
 0000-0800 B 7435
 1000-2400 B 15685
UNITED STATES WWCR #2
 0200-1200 B 5935
 1200-0200 B 13845
UNITED STATES WWCR #3 NAE
 0000-0800 B 5810
 1800-2200 B 15610
 2200-2400 B 12160
UNITED STATES WYFR
 0000-0100 B 6085
 0100-0300 B 15440 9505 6085
 0300-0500 B 9505 6085
 0500-0600 B 11580 9580
 0600-0800 B 11580 9680 7355
 1000-1200 B 5950 [& 7355 1100-]
 1200-1300 B 11970 11830 6015 5950
 1300-1400 B 13695 11970 11830 9750 5950
 1400-1500 B 17760 11830 6015
 1500-1600 B 17760 11830 9705
 1600-1700 B 21615 21525 15355
 1700-1900 B 21500
 1900-2000 B 21615 15355
 2000-2200 B 21525 17750 15566 7355
 2200-2300 B 21525 17750
UZBEKISTAN R Tashkent
 0100-0125 C 17815 15295 9715 7285
 1200-1225 C 17745 15420
 1330-1355 C 17745 15420
VATICAN Vatican R
 0140-0200 C 9650 7335
 0250-0310 B 7305 6095* [*if missing check 9605]
 0600-0620 C 7250 6245
 0630-0700 C 15090 11625 9695
 1730-1800 C 17730 15090 11625
 2000-2030 C 15090 11625 9645
 2245-2305 C 11830 9600 6250
VENEZUELA R Nat'l de Venezuela [time & length
 0040-0055 C 9435v may vary]
 0340-0355 C 9435v all transmissions
 1140-1155 C 9435v unintelligible
 1440-1455 C 9435v
 1840-1855 C 9435v
 2140-2155 C 9435v
VIETNAM V of Vietnam
 1000-1030 C 12020 9840
 1100-1130 C 9840 7287
 1230-1300 C 12020 9840
 1330-1400 C 12020 9840
 1600-1630 D 12020 9840
 1800-1830 D 12020 9840
 1900-1930 D 12020 9840
 2030-2100 D 12020 9840
 2330-2400 D 12020 9840

0000-0027 B Prague 9810 9405 7345 5930 5915
0000-0030 B Vilnius 7150 Tue-Sat
0000-0030 B Norway 9675 9590 Mon
0000-0050 C Pyongyang 15130 13760 11335
0000-0100 B China 11715 9780
0000-0100 B Moscow 21480 15425 12050 9620 7165
0000-0100 C VOA Asia-Pac 17820 17735 15290 15185 11760 9770 7225
0000-0100 B WYFR 6085
0000-0200 B Havana 9815° 6010
0000-0200 - KWHR Hawaii 17555 NAE [authorized for Dec 1993]
0000-0200 C FEBC Philippines 15450 [Sat-Sun -0130]
0000-0200 A Spanish Nat'l R 9540
0000-0200 A VOA Americas 15205 15120 11580 9775 9455* 7405 6130* 5995 [& 11695* -0100] [*different pgms 0030-0100 to the Caribbean]
0000-0230 A BBC 15260 11750 9915 9590* 7325 6175 6005 5975 [*includes Caribbean service repeat Tue-Sat 0145-0200]
0000-0300 A WSHB 7395 5850 NAE
0000-0800 B WWCR #1 7435
0000-0800 B WWCR #3 5810
0000-1600 B KTBN 7510
0030-0055 B Vlaanderen 9930 5900
0030-0100 C Sweden 11650 9695
0030-0130 C Tehran 11790 9022
0030-0325 C Netherlands 9860 [& 7305 -0125; 11655 9845 0130-]
0030-0430 A HCJB 21455° 17490°? 15155 9745
0030-0600 C Australia 21740 17795 11720
0040-0055 C Venezuela 9435v unintelligible
0100-0120 B RAI Italy 11800 9725 6005
0100-0125 C Tashkent 17815 15295 9715 7285
0100-0130 B Prague 9405 7345 5915
0100-0130 B Yugoslavia 6190
0100-0130 B Slovakia 9810 7310 5930
0100-0130 B Swiss R Int'l 17740 9885 6135
0100-0150 A Deutsche Welle 9745 9700 9565 6145 6120 6085 6040
0100-0200 B Bulgaria 9700 7455
0100-0200 D Indonesia 11752 9675
0100-0200 B Japan 17845 17810 17775 15195 11860 11840
0100-0200 C S Korea 15575
0100-0200 B Ukraine 7240 7195
0100-0200 A WEWN 13710 7425
0100-0300 B Moscow 21480 15425 12050 9620 7180 7165 5915
0100-0300 B VOA Asia-Pac 21550 17740 15250 11750 9740 7651° 7205 7115

0100-0300 B WYFR 15440 9505 6085
0130-0150 B Greece 11645 9420 9380 Mon-Sat
0130-0200 B Tirana 11840 9580
0130-0200 B Austria 13730 9870 9655
0140-0200 C Vatican 9650 7335
0200-0230 B Norway 6115 Mon
0200-0230 B Yugoslavia 6190
0200-0230 A VOA Americas 15205 15120 11580 9775 7405 5995 Tue-Sat
0200-0255 C Romania 11940 11830 9570 9510 6155
0200-0300 C Argentina 11710 Tue-Sat
0200-0300 B Canada 11940 11845 9755 9535 6120
0200-0300 C KSDA Guam 13720 Sat-Sun
0200-0330 B Cairo 11600 9475
0200-0400 B Havana 9510 6010
0200-0400 B Voice of Free China 9680 5950 [& 11740 -0300]
0200-0600 - KWHR Hawaii 17510 NAE [authorized for Dec 1993]
0200-1400 B KCBI 9815
0200-1400 B WWCR #2 5935
0230-0245 B Tirana 11840 9580
0230-0245 C Pakistan 21730 17725 17705 15191 7290
0230-0300 B Portugal 11840 9705 9635 9570 Tue-Sat
0230-0300 B Sweden 11650 9695 6000
0230-0330 C Pilipinas 21580 17840 17760
0230-0330 A BBC 15260 11750 9915 7325 6175 6005 5975
0245-0300 A BBC EGbyR 15390 11965 9825 9515 6110
0250-0310 B Vatican 7305 6095* [*if missing check 9605]
0300-0330 B Prague 9810 9405 7345 5930 5915
0300-0330 B Norway 6115 Mon
0300-0350 A Deutsche Welle 9640 9545 9535 6120 6085 6045
0300-0400 B Canada 9755 9725 6000 NAE
0300-0400 B China 11715 9780 9690
0300-0400 B Budapest 15220 11910 9835 5970
0300-0400 C Japan 17810 15210 9610 5960 [& 15325 11725 -0330]
0300-0400 B Moscow 15425 12050 7270 7180 7165 5815
0300-0400 A VOA Africa 11965 9885 9575 7405 7280 7265 7105
0300-0430 C TGNC Guatemala 3300 [Sun 2345-]
0300-0500 C Channel Africa 9730 5960
0300-0500 A WSHB 5850 NAE
0300-0500 A WEWN 7425
0300-0500 B WYFR 9505 6085
0330-0400 B Austria 13730 9870
0330-0400 B Sweden 11650 9695 6000
0330-0400 C Dubai 21485 15400 13675 11945
0330-0425 B Netherlands 9590 6165
0330-0430 A BBC 9915 7325 5975
0340-0350 B Greece 11645 9420 9380 Mon-Sat
0340-0355 C Venezuela 9435v unintelligible
0344-0357 C Yerevan 17690 17605 10344° 7105
0400-0430 B Prague 13715 9810 9405 7345 5930 5915
0400-0430 C Canada 9670 9505 6150
0400-0430 C Romania 11940 11830 9570 9510 6115
0400-0430 B Swiss R Int'l 9885 9860 6135
0400-0450 C Turkey 9445
0400-0500 B China 11680
0400-0500 B Havana 6180 6010 [& 9510 -0430]
0400-0500 C VOA Africa 9575 7405 7280 7265
0400-0500 C VOA ME 7170 6873°° 6140 6040 5995
0400-0600 B Moscow 7180 7165 5915
0400-0600 A WCSN 9840 NAE
0400-0700 B WMLK 9465 Mon-Sat NAE
0400-0800 B KVOH 9785 NAE
0400-0800 B WRNO 7395 NAE
0430-0500 C HCJB 21455°
0430-0500 A BBC 5975
0445-0515 C Sri Lanka 15425 9720 Tue
0500-0515 C Israel 17545 11603 9435
0500-0550 A Deutsche Welle 9670 6120 6045 5960
0500-0553 C FEBC Seychelles 17750 Fri
0500-0600 A China 11840
0500-0600 B Japan 17810 15410 11885 11740 9610 7230 6085 6025
0500-0600 C Channel Africa 11745 7230
0500-0600 A Spanish Nat'l R 9540
0500-0600 A VOA Africa 15600 12080 9665 7405 6035
0500-0600 C VOA ME 15205 11825 9700 9530 7170 6873°° 6140 6040 5995
0500-0600 B WYFR 11580 9580
0500-0630 B Bulgaria 11720 9700
0500-0700 B Havana 9510
0500-0700 B HCJB 21455° 17490°? 11925
0500-0700 C Nigeria 7255
0500-0730 A BBC 9640 5975
0530-0600 A Austria 6015
0555-0825 C Malaysia 15295 9750 6175
0600-0620 C Vatican 7250 6245
0600-0630 B Canada 11905 9760 9740 7155 6150 6050
0600-0630 C Swiss R Int'l 15430 13635 9885
0600-0630 A VOA Africa 15600 12080 11925 9665 9530 7405 6035
0600-0700 C S Korea 15155 11945
0600-0700 C Channel Africa 17710 7230
0600-0700 C VOA ME 15205 11825 11805 7325 7170 6873°° 6140 6060 6040 5995
0600-0700 A WEWN 13710 7425
0600-0800 C Australia 11720 6020
0600-0800 C V of Mediterranean 9765
0600-0800 A WSHB 5850 NAE
0600-0800 B WYFR 11580 9680 7355
0600-1600 - KWHR Hawaii 9930 NAE [authorized for Dec 1993]
0630-0700 A Austria 6015
0630-0700 C Vatican R 15090 11625 9695
0632-0645 C Romania 9510
0658-1206 B New Zealand 9700
0700-0730 B HCJB 21455° 17490°? 11835 6205
0700-0800 B Voice of Free China 5950
0700-0800 A WEWN 9430 9370 7425
0705-0730 B HCJB 11925 9745
0730-0815 A BBC 9640
0730-0830 B HCJB 21455° 17490°? 11925 11835 9745 6205
0730-1025 B Netherlands 9720 [& 9630 -0825; 9865 0930-]
0740-0920 B TWR Monaco 7385 [Sat -0935; Sun -0945]
0750-0915 C KTWR Guam 15200
0800-0845 C Pakistan 21520 17900
0800-0805 C Pyongyang 15230 15180

0800-0900 C KNLS Alaska 7365 NAE
0800-0900 B Australia 11720 9710 9580 7240 6020
0800-0900 D Indonesia 11752 9675
0800-0900 C KHBI N Mariana Is 13615 NAE
0800-0900 A WEWN 9985 9350
0800-1000 B WHRI #1 7355 [Sun -1100] NAE
0800-1530 C KHBN Palau 9830 NAE
0830-1130 B HCJB 21455° 17490°? 11925 9745
0855-1000 C KTWR Guam 11805
0900-0930 C Swiss R Int'l 21820 13685 9885
0900-1000 B Australia 13605 9580 9510
0900-1000 C KHBI N Mariana Is 17555 13615 NAE
0900-1000 A WEWN 9370 9350
0900-1000 A WSHB 9840 7395 NAE
0900-1100 C FEBC Philippines 11690
0900-1100 C BBC 15190 11750 9740
0910-0940 D Ulan Bator 12015 11850 Mon/Thu/Sat
0930-1125 C Netherlands 9810 7260
1000-1030 C Vietnam 12020 9840
1000-1100 B Australia 9580
1000-1100 C India 21735 17895 17387 15050
1000-1100 C KHBI N Mariana Is 13625 9430 NAE
1000-1100 C Channel Africa 17805
1000-1100 B VOA Asia-Pac 15425 11720 9585
1000-1200 A WSHB 7465 7295 NAE
1000-1200 B WYFR 5950 [& 7355 1100-]
1000-1200 A VOA Americas 15120 11915 9590 7405
1000-1300 B WHRI #1 9850 except Sun NAE
1000-2400 B WWCR #1 15685
1100-1120 C Pakistan 21520 17900
1100-1130 C Israel 17545
1100-1130 C Swiss R Int'l 15505 13635 9885
1100-1130 A BBC 15220 9915 6195 5965
1100-1130 C Vietnam 9840 7287
1100-1150 B Pyongyang 11335 9977 6576
1100-1200 B Australia 13605 9710 9580 9510 7240 6080 6020
1100-1200 B Japan 15445 9610 6120
1100-1200 C KHBI N Mariana Is 9430 NAE
1100-1200 C Channel Africa 9730
1100-1200 B VOA Asia-Pac 15425 15160 11720 9760 6110 5985
1100-1400 C Moscow 17760 15380 15210
1130-1145 B BBC EGbyR 21490 15190
1130-1200 C Austria 13730 Vow 1230-1300
1130-1200 B S Korea 9650
1130-1200 A BBC 15220 9515 6195 [& 5965 Sat-Sun]
1130-1300 C Bulgaria 13645 11645
1130-1325 C Netherlands 9650 5955
1130-1430 B HCJB 21455° 17890 17490°? 15115 11925
1130-1230 C Thailand 11905 9655 4830
1140-1155 C Venezuela 9435v unintelligible
1200-1225 C Tashkent 17745 15420
1200-1230 B Australia 9810 9580 7240 6080 6020
1200-1230 D Ulan Bator 12015 11850 Mon/Thu/Sat
1200-1300 C China 15440 9655
1200-1300 B France 21645 15195 15155 13640 9805
1200-1300 D Jordan 9560
1200-1300 C S Korea 9640
1200-1300 C KHBI N Mariana Is 13625 9425 NAE
1200-1300 B BBC 15220 9740 9515 6195
1200-1300 A WSHB 9455 7465 NAE
1200-1300 B WYFR 11970 11830 6015 5950
1200-1320 C Brazil 15445
1200-1330 B VOA Asia-Pac 15425 15160 11715 9670 6110
1200-0200 B WWCR #2 13845
1207-1649 B New Zealand 9655 occasional
1215-1330 C Cairo 17595
1230-1300 B Australia 9580 7240
1230-1300 C Bangladesh 13615
1230-1300 B Finland 15400 11735 Mon-Fri
1230-1300 C Vietnam 12020 9840
1300-1330 C Swiss R Int'l 15505 13635 11690 7480
1300-1350 C Pyongyang 15230 13760 11740 9640 9345
1300-1355 C Warsaw 11815 9525 7270 7145 6135
1300-1400 C KNLS Alaska 7355 NAE
1300-1400 B Canada 17820 11855 Mon-Fri
1300-1400 C KHBI N Mariana Is 13625 NAE
1300-1400 B BBC 15220 11820 9740 9515 6195
1300-1400 B WHRI #1 11790 [Sun 1100-] NAE
1300-1400 A WSHB 7465
1300-1400 B WYFR 13695 11970 11830 9750 5950
1300-1430 B Australia 11800 9580 7240
1300-1500 B KJES 11715
1300-1500 A WEWN 17535 9350
1300-1600 C FEBC Philippines 11995
1300-1700 B WHRI #2 9465 [Sun -1600] NAE
1330-1355 B Vlaanderen 21810 17590 Sun
1330-1355 C Tashkent 17745 15420
1330-1400 C Austria 17730 15450
1330-1400 B Finland 17740 15400 Mon-Sat
1330-1400 B Sweden 17870 15240
1330-1400 C VOA Asia-Pac 15425 15160 9760 6110
1330-1400 C Vietnam 12010 9840
1330-1500 C India 15120 11760
1330-1625 C Netherlands 13700 9895 [& 15530 -1425; 15150 1430-]
1400-1425 C Vlaanderen 21810 17590 Mon-Sat
1400-1425 C Israel 15650 15640 Sun-Thu
1400-1500 B France 17650 15405 12035 11900
1400-1500 B Japan 11915 11705 9750 9535
1400-1500 B Moscow 17760 15380 15210 7345 7105 6165
1400-1500 B BBC 17840 15260 9515 [& 11820 9740 Sat-Sun; 6195 -1430]
1400-1500 C VOA Asia-Pac 15425 15395 15205 15160 9760 9645 7125 6110 [& 11705 9690 1430-]
1400-1500 A WSHB 9455 NAE
1400-1500 B WYFR 17760 11830 6015
1400-1600 B China 7405
1400-1600 C Iraq 15205?
1400-1600 C KHBI N Mariana Is 9530 NAE
1400-1700 B Canada 17820 11955 Sun
1400-1800 B WHRI #1 15105 NAE
1400-2300 C KCBI 15725
1430-1500 B Canada 17820 15325 11935 11915 9555 [& 15315 Mon-Sat]
1430-1500 B Finland 17740 15400
1430-1500 B Sweden 17870 15240
1430-1600 B Australia 11800 11680 9580 9510 7260 7240 6080 6060
1430-1600 B HCJB 21455° 17890 17490°? 11925
1435-1450 B Greece 17535 15630
1440-1455 C Venezuela 9435v unintelligible
1445-1515 D Ulan Bator 7780 7260 Mon/Thu/Sat
1500-1530 C Nat'l Unity Radio Sudan 9165
1500-1530 C Swiss R Int'l 15505 13635 9455

1500-1555 C FEBC Seychelles 11710 [Sun -1558]
1500-1600 C RTVA Algeria 17745 15205 11715
1500-1600 B Japan 15355 11915 9750 9535
1500-1600 B Moscow 17760 15380 15210 7345 7260 7250 7105 6165
1500-1600 C FEBC Seychelles 9810 15330 except Sun
1500-1600 B BBC 17840 15260 9515
1500-1600 C VOA Asia-Pac 15395 15205 9760 9700 9645 7125 6110 [& 11705 1530-]
1500-1600 A WEWN 21710 17510
1500-1600 B WYFR 17760 11830 9705
1500-1630 C KTWR Guam 15610 [Mon-Tue -1615; Sun -1700]
1500-1700 C VOA ME 19379°° 15205 9700
1500-1730 D Jordan 9560
1500-1800 C Channel Africa 15240 7270
1500-0400 B KVOH 17775 NAE
1515-1645 C Bulgaria 12085
1530-1630 C Iran 11790
1600-1630 C Pakistan 17725 15675 15515 13590 11570 9485 7470
1600-1630 D Vietnam 12020 9840
1600-1640 C Dubai 21605 15320 13675 11795
1600-1655 D Warsaw 9525 7285
1600-1700 C China 15130 15110 11575
1600-1700 C HCJB 21455°
1600-1700 B France 17850 17795 17620 15530 12015 11705 6175
1600-1700 B Moscow 15380 9550 9540 7345 7260 7250 7105 6165
1600-1700 C VOA Asia-Pac 15395 15205 9760 9700 9645 7125 6110
1600-1700 A WEWN 17510 13615
1600-1700 B WYFR 21615 21525 15355
1600-1745 B BBC 15260 9515 [& 17840 -1615]
1600-1800 B Australia 11695 11680 9580 9510 7260 7240 [& 6060 1630-]
1600-1800 - KWHR Hawaii 7425 NAE [authorized for Dec 1993]
1600-1800 C KHBI N Mariana Is 13625 NAE
1600-2100 B WINB 15295 NAE
1600-2300 B WRNO 15420 NAE
1600-2400 B KTBN 15590
1630-1700 C Austria 11780
1630-1700 C VOA Africa 17790 15445 15410 15320 15225 13710 12040 11920 [Sat-Sun 1600-]
1630-1830 C Cairo 15255
1650-1849 C New Zealand 9655 Mon-Fri
1700-1730 C Swiss R Int'l 17635 13635 9885
1700-1750 C Pakistan 9855 7355
1700-1800 C HCJB 21455° 17790 17490°? 15270
1700-1800 C Japan 17870 11915 9750 9535
1700-1800 B Moscow 9550 9540 7345 7260 7250 7180 7105 6165
1700-1800 C VOA Africa 17790 15445 15410 15320 13710 12040 11920 [& 13710 1730-]
1700-1800 C VOA Asia-Pac 15395 15205 9760 9700 6040
1700-1800 C VOA ME 19379°° 15205 9760 9700 9645 7125 6110
1700-1900 C KSDA Guam 13720 Sat-Sun
1700-1900 A WEWN 13615
1700-1900 B WYFR 21500
1700-2000 B WMLK 9465 Sun-Fri NAE
1700-2300 B WHRI #2 13760 [Sun 1600-] NAE
1730-1800 C Vatican 17730 15090 11625
1730-2025 C Netherlands 21590 [& 21515 9605 -1925; 17605 1930-]
1745-1945 C India 15080 11935 11860 11620 9950 7412
1745-2000 C BBC 15070 12095
1800-1815 C Israel 17575 15640 11603 11587
1800-1830 D Vietnam 12020 9840
1800-1855 D Warsaw 9525 7285 7270
1800-1900 C HCJB 21455°
1800-1900 B Moscow 12050 9550 7260 7250 7160 7105 6165
1800-2000 - KWHR Hawaii 13625 NAE [authorized for Dec 1993]
1800-2000 C KHBI N Mariana Is 9355 NAE
1800-2000 B VOA Africa 17800 15580 15410 13710 12040 11920 [& 15320 13675 -1900]
1800-2000 C VOA ME 19379°° 15205 9760 9700 6040
1800-2000 A WCSN 21640 NAE
1800-2100 C Australia 11695 9580 7260 7240 6060
1800-2100 C Kuwait 13620 [may start at 1730]
1800-2100 B WHRI #1 9485 NAE
1800-2200 B WWCR #3 15610
1800-2245 C Iraq 11810 [& 13680 -2145] NAE
1830-2000 C Bulgaria 9700 7455
1840-1855 C Venezuela 9435v unintelligible
1850-2139 C New Zealand 11735
1900-1930 C Japan 11915 11845 9660 9640 9535 6185
1900-1930 D Vietnam 12020 9840
1900-2000 C RTVA Algeria 17745 11715 9535
1900-2000 C HCJB 21455° 17790 17490°? 15270
1900-2000 B Moscow 15425 12050 9550 7260 7180 7105
1900-2000 C VOA Asia-Pac 15180 11870 9525
1900-2000 A WSHB 15665 NAE
1900-2000 B WYFR 21615 15355
1900-2100 A WEWN 15695 13615
1930-2030 C Tehran 15260 9022
1940-2010 D Ulan Bator 11850 11790 Mon/Thu/Sat
2000-2030 C Israel 17575 11675 11603 11585 9435 7465
2000-2030 C Vilnius 9710 9675 9400
2000-2030 C Norway 9590 Sun
2000-2030 C Swiss R Int'l 15505 13635 12035
2000-2030 C Vatican 15090 11625 9645
2000-2100 D Indonesia 11752 9675
2000-2100 B Moscow 17605 15425 12050 9550 7260 7250 7130
2000-2100 B BBC 15260 5975
2000-2100 B KJES 15545
2000-2100 B VOA Africa 21485 17800 15580 15495 13710 [& 15495 15160 -2030]
2000-2100 C VOA ME 19379°° 15205 11760 9760 9700 6040
2000-2100 A WCSN 13770 NAE
2000-2200 - KWHR Hawaii 13720 NAE [authorized for Dec 1993]
2000-2200 A WSHB 9355 NAE
2000-2200 B WYFR 21525 17750 15566 7355
2000-2130 C HCJB 21455°
2000-0100 C KHBN Palau 9830 NAE
2005-2105 C Damascus 15095 12085 9950?
2030-2100 D Vietnam 12020 9840
2030-2125 D Warsaw 9525 7285 6135

2030-2200 C Cairo 15375
2045-2230 C India 15265 11715 11620 9950 9910 7412
2100-2130 B VOA Africa 21845 17895 17800 15580 15445 15410 13710
2100-2150 C Deutsche Welle 15425 9715 9690
2100-2150 C Turkey 9445
2100-2200 C Bulgaria 9700 6085
2100-2200 B Havana 15165
2100-2200 C Japan 11925 11915 9660 9640 6185 6035
2100-2200 C KHBI N Mariana Is 13840 NAE
2100-2200 C Romania 9690 7195 7105 6105 5990
2100-2200 B BBC 15260 9590 5975
2100-2200 C VOA Asia-Pac 17735 15185 11870
2100-2200 C VOA ME 19379°° 15205 11960 11760 9760 6040
2100-2200 A WCSN 9355 5850 NAE
2100-2200 A WEWN 13615
2100-2245 B WINB 15185 NAE
2100-2300 B Moscow 17690 17605 15425 12050 9750 9620 9550 7180 7150
2100-2300 B WHRI #1 17830 NAE
2110-2210 D Damascus 15095 12085 9950?
2115-2130 B BBC Caribbean 21660 17715 15140 Mon-Fri
2115-2245 C Cairo 9900
2130-2200 C HCJB 21455° 17790 17490°? 15270
2130-2200 B VOA Africa 21485 17800 15580 15410 13710 except Sat
2130-2230 B Canada 17820 15325 15140 13670 13650 11945 7260 5995
2130-2400 C Australia 21740 17795
2140-2155 C Venezuela 9435v unintelligible
2140-0658 C New Zealand 15115
2200-2230 B KGEI 15280 Sun
2200-2300 B Havana 6180
2200-2300 C HCJB 21455°
2200-2300 C Budapest 11910 9835 7220 6110
2200-2300 B Voice of Free China 11915 9850
2200-2300 B Ukraine 7240 7195
2200-2300 A BBC 15260 11750 9915 9590 7325 5975
2200-2300 B WYFR 21525 17750
2200-2400 - KWHR Hawaii 17510 NAE [authorized for Dec 1993]
2200-2400 C KHBI N Mariana Is 13625 9430 NAE
2200-2400 C Abu Dhabi 11895 9605 9770
2200-2400 C VOA Asia-Pac 17820 17735 15305 15290 15185 11760 9770 7215 [& 6035 -2300]
2200-2400 A WSHB 17555 9465 NAE
2200-2400 B WWCR #3 12160
2200-0100 A WEWN 7425
2203-2213 C Croatian R Zagreb 13830 13640 9830 5920
2230-2300 B Israel 17575 11675 11603 11585 9435 7465
2230-2300 C Vilnius 9710 9575
2244-2257 C Yerevan 11920 9705 7440
2245-2305 C Vatican 11830 9600 6250
2245-2415 B Bulgaria 9700 7455
2245-2445 C India 15145 15110 11745 11715 9910
2200-0300 C Iraq 17940 15205 15180 NAE
2245-0330 B WINB 15145 NAE
2300-2315 C Tirana 11825 9760
2300-2330 C Canada 7250 5995 [Sat-Sun -0100]
2300-2330 B Canada 11940 11845 9755 9535 5960 [Sat-Sun 2400]
2300-2330 C Norway 6120 Sun
2300-2350 C Pyongyang 13650 11700
2300-2350 C Turkey 11895 9445 7185
2300-2400 C KSDA Guam 15610
2300-2400 C Japan 15430 9660 7140 6125 6050
2300-2400 B Moscow 21480 15425 12050 9750 9620
2300-2400 A BBC 15260 11750 9915 9590 7325 6175 5975
2300-0200 B KCBI 13740
2300-0800 B WHRI #1 9495 NAE
2300-0400 B WRNO 7355 NAE
2300-1300 B WHRI #2 7315
2315-2330 C BBC EGbyR 15390 11765 9825 9560 6110
2330-2400 B Austria 13730 9870
2330-2400 C Sri Lanka 15425 Mon
2330-2400 D Vietnam 12020 9840
2330-0100 B Canada 9755 5960 [Sun-Mon 0000-]
2330-0125 A Netherlands 6165 6020 [& 11655 9840 0030-]
2343-2357 C Yerevan 12010 11920 9685
2345-2400 B BBC EGbyR 15390 11765 6110 5875
24 hours C CBC 6070 [CFRX Toronto]
24 hours C CBC 6005 [CFCX Montreal]
24 hours B RFPI Costa Rica some of 21465° 15030 7385° 7375 6200
24 hours C R Education Mexico 6185 NAE [EG sporadic]
24 hours B WJCR 13595 7490
--------- B WRMI 9955 NAE [currently testing]

Times are UT; frequencies in kHz. All daily unless otherwise indicated. Schedules subject to change without notice. v: freq varies.

Signal quality (a very rough guide): A: reliable; B: regular; C: occasional; D: rare. The letter given will not necessary apply to all frequencies listed at any given time. Reception of stations located in North America will depend on the location of the listener in relation to the transmitter location, power, beam direction & the distance of the skip zone at any given time.

NAE: not all English.

°=USB; °°=LSB (the VOA's are feeders & may have another language on the other sideband).

Compiled mostly from Glenn Hauser sources (WORLD OF RADIO, DX DAILY, REVIEW OF INTERNATIONAL BROADCASTING, DX LISTENING DIGEST); plus monitoring DX programs such as MEDIA NETWORK, DX PARTY LINE, etc.

The compiler does not claim that this is a list of ALL English broadcasts that can be heard in North America, nor does he claim that all broadcasts & frequencies will be audible at any given time.

gh: We've updated this right up to presstime Dec. 7; Monitor skeds changed that date and are shown in the by-country listings KHBI/WCSN/WSHB but not in the by-time listings.

AUSTRALIA (gh) Domestic SW from Perth & Brisbane is closing permanently; some say before or after Xmas; stn mgrs thot Dec 17 on RNMN. May be irregular already, but try Perth 9610 6140 morns, 15425 maybe aftns; Brisbane 4920 9660 morns.

SOME AMATEUR RADIO VOICE NETS & °BULLETINS
compiled by John Norfolk

*0000 CENTURY CLUB 7233.5
0000 °IARN Mon 7290¶
0000 KANSAS WEATHER 3920
0000 MISSOURI SSB 3963
0000 MICHIGAN TRAFFIC 3953
0000 PANHANDLE TRAFFIC/EMERGENCY 3933
0000 PHILA SHRINER CHILDRENS HOSPITAL Fri 14328
*0000 SOCIETY OF BROADCAST ENGINEERS CHAPTER 73 Mon after 2nd Sun 14205
0000 SOUTH CAROLINA SSB 3915
0000 TRADERS Tue-Sat 3898
0000 WOLVERINE 3935
0030 ALABAMA TRAFFIC 3965
0030 ARKANSAS RAZORBACK 3987.5
0030 40 METER EYE BANK 7294
0030 GULF COAST SIDEBAND 3925
0030 KANSAS SIDEBAND 3920
0030 LOUISIANA TRAFFIC 3910
0030 MAGNOLIA 3877
0030 MOONLIGHTERS 7280
0030 NEBRASKA WEATHER 3982
0030 TEXAS TRAFFIC 3873
0045 WYOMING COWBOY Tue-Sat 3923
0055 EYE EMERGENCY/80 METER EYE BANK 3970
0100 ALPHA CHARLIE 7230
0100 CENTRAL GULF COAST HURRICANE 3935
0100 DRAKE ANTIQUE & TUBE Sun 3865
*0100 EAST COAST SATELLITE NET 3840 Tue
0100 GERITOL 3768
0100 GULF SIDEBAND TRAFFIC Tue-Sun 3905
0100 HOMETOWN Sun-Mon 7294
0100 °IARN 28475 14275 3975
0100 KADIDDLEHOPPER Sun-Mon 7268.5
0100 MASONIC & SHRINERS Fri 3957
0100 #MARITIME VHF OPERATORS Fri 3765
0100 OLE MISS INT'L SIDEBAND 7262.5
0100 75 METER INTERSTATE SIDEBAND 3985
0100 SUNBELT SERVICE 3990
0100 TENNESSEE PHONE 3980
0100 TIMBER WOLF GROUP 7290
0100 UFO DISCUSSION Sun 3978
*0100 YL INT'L SSB SYSTEM 14332
0130 ALABAMA EMERGENCY Wed 3965
0130 AYN RAND Tue after 2nd Mon/Thu after last Wed 14272.5
0130 CHRISTIAN FELLOWSHIP 3872.5
0130 GREAT LAKES EMERGENCY/TRAFFIC 3932
0130 KANSAS QCWA Sun 3920
0130 SOUTH JERSEY GROUP 7168
0130 WEST GULF COAST SECTION ARRL DIRECTORS Tue 3873
0145 NORTH TEXAS SECTION ARES Tue 3873 alt 7273
0200 ADVENTIST AR 3972.5
*0200 COLORADO COLUMBINE 3989
0200 EAST COAST/MIDWEST AMATEUR TV Wed 3871
0200 GATEWAY 160 METER w. °GATEWAY RADIO 160 NEWSLETTER Thu 1860¶
0200 MARITIME MOBILE SERVICE 14313
*0200 MID AMERICA AMSAT Tue 3840
0200 MIDWEST VHF GROUP Tue 3843
0200 MUTUAL UFO Sun 3929
0200 NAT'L RADIO CLUB Mon or Thu 3840 [may be informal; has also been hrd UT Sun]
*0200 3905 CENTURY CLUB 3905
0230 EXPERIMENTAL AIRCRAFT ASSOCIATION Tue-Sat 3978
0230 OREGON EMERGENCY 3980
0245 °W1AW 28590 21390 18160 14290 7290 3990
0300 AR FORUM Fri 3950
0300 CALIFORNIA GOLDEN BEAR 3975
0300 CHRISTIAN IDENTITY Thu 3950
0300 FREEMAN'S Sat 3950
0300 GOOD SAM RV Tue-Sat 7292
0300 °IARN 28475 14275 3975
0300 INT'L TEACHERS Thu after 1st/3rd Wed 14280
0300 LIBERTY Sun 3950
0300 #LOWFERS [ENAm] Mon 1983
0300 MEDICAL AR COUNCIL Tue/Thu/Sat 14264
0300 OVER THE HILL 3782
*0300 SANDION TRIVIA 7294 alt 7274
*0300 SEAFARERS' 14313
0300 #WEST COAST VHF GROUP 3818
0300 WESTERN STATES TEACHERS 7270
0315 VIRGINIA LATE 3947
0330 MIDWEST COUNTRY COUSINS 3973
0330 SOUTHWEST TRAFFIC 3935
0400 11 O'CLOCK 3985
*0400 HEARD ISLAND DX ASSOCIATION Mon-Sat 14222
0400 #LOWFERS [WNAm] 3927
0430 ICE CREAM 3935
0545 °W1AW 28590 21390 18160 14290 7290 3990
*0600 US 40 METER DX 7180 Sat-Sun
*0600 ROUND TABLE 14287
*0700 DX 7159
*0700 TRIPLE H 7235
*0800 IARN ASIA/PAC EMERGENCY 14275
*0800 PACIFIC INTER-ISLAND 14315
1030 °GATEWAY RADIO 160 NEWSLETTER Tue 1860¶
1000 BUCK-A-ROO Mon-Fri 7264
1100 #BIBLE -?- 3875
*1100 CARIBBEAN TRAFFIC 14283
1100 #EASTERN BIBLE STUDY 3980
1100 °IARN 28475 14275 3975
1100 ROOSTER 3990
*1100 W2MIG'S CARIBBEAN/ASIAN DX 14165
1130 #CARIBBEAN EMERGENCY/WEATHER 3805
*1130 DIVI-DIVI Sun/Tue/Thu 14340
§1130 INT'L ASSISTANCE & TRAFFIC 14303
1130 KENTUCKY REBEL 3960
1200 ARKANSAS PHONE 3885
1200 CHRISTIAN AR FELLOWSHIP Mon-Sat 3930
1200 CLASSROOM Mon-Fri 7238
1200 GEORGIA TRAFFIC Mon-Sat 3990
1200 °IARN 28475 14275 3975
1200 OMIK ELECTRONICS COMMUNICATIONS ENAm Sun 7265
1200 ORCATS [ENAm] Sun 7238
1200 RV SERVICE 7232.5
1200 MYER DELNICK MISHPOCHA 14326
1245 KANSAS PHONE Mon/Wed/Fri 3920
*1245 WATERWAY [ENAm] 7268
1300 BUCK-A-ROO PLUS Mon-Fri 7248
*1300 DX 28590
1300 °GATEWAY RADIO 160 NEWSLETTER Sun 1860¶
1300 #GE 14235.5
1300 GEORGIA TRAFFIC Sun 3990
1300 14305 GROUP Mon-Fri 14305
*1300 ISLANDS ON THE AIR "IOTA" Sat 14260; Sun 21260

1300 KANSAS MORNING WEATHER 3920
1300 MUTUAL UFO Sat 7237
1300 OKLA RACES ADMINISTRATIVE Sun 3997
1300 ORCATS Sun 7238
*1300 PLA/NET 1st/3rd Sat 14330
1310 WYOMING WEATHER Mon-Fri 3923
*1330 BERMUDA Sun 14275
1330 CHAVERIM[?] INT'L Sun 14326
1330 COLORADO WEATHER 3945
1330 NAVY AR CLUB 7260
1330 NEW MEXICO BREAKFAST CLUB 3939
1400 ARK/OKLA SALVATION ARMY 2nd Sat 3900 alt 7285
1400 BATHROBE 14235.5
1400 CENTRAL EMERGENCY Mon-Fri 7294
1400 CENTRAL TEXAS EMERGENCY Sun 3910
*1400 FAMILY HOUR DX 14226.5
1400 °IARN 28475 14275 3975
1400 KANSAS PHONE Sat-Sun 3920
1400 MERCURY MISARKLA Sat 7282.5
1400 OKLA PHONE EMERGENCY Sun 3900
1400 OMIK ELECTRONICS COMMUNICATIONS WNAm Sun 7265
1400 QUARTER CENTURY WIRELESS ASSOCIATION CHAP 63 OKLA Sun 3855
1400 20 METER INTERSTATE 14323 Mon-Sat
1400 WEST GULF COAST EMERGENCY Sun 3943.5
1400 WORLD GOSPEL MISSION Sat 7240
1430 CENTRAL STATES TRAFFIC Sun 3920
1430 DAYTIME TEXAS TRAFFIC 7273 Mon-Sat
1430 #MARGATE[?] SAFARI 14235.5 [time varies]
1430 NAIS Sat/Mon 7275
1500 ADVENTIST AR Sun 14305
1500 ANARC SWL [ENAm] Sun 7240
1500 EXPERIMENTAL AIRCRAFT ASSOCIATION Sat/Mon 7383.5
*1500 EUROPE/AFRICA 12 METER DX 24945
*1500 FOREIGN SERVICE Sun 14316
1500 INTERCONTINENTAL TRAFFIC 14313
1500 INT'L ASSOCIATION OF AIRLINE HAMS Sun/Wed 14280; Thu 21380
*1500 INT'L HANDICAP Mon-Fri 14287
1500 OMIK ELECTRONICS COMMUNICATIONS Sun 14295
1500 PROFESSIONAL LOAFERS CLUB Mon-Fri 7262
1500 ROCKY MOUNTAIN RV SERVICE 7268
1500 SATURDAY MORNING SIDEBAND Sat 7237
1515 AR MISSIONARY SERVICE "ARMS" Mon-Fri 14307.5
1515 #MEDICAL AR COUNCIL "MARCO" Sun 14308
*1530 FOREIGN SERVICE Sun 21416
1530 #MIDWEST AR SERVICE 7258
1600 AIR FORCE FLYERS Sun 14308
1600 ALPHA CHARLEY Sun 14327
1600 ATARI MICROCOMPUTER 14325
*1600 FOREIGN SERVICE Sun 28616
1600 GOOD SAM RV informal Tue/Thu 14237
1600 IBUW Sat 14327
1600 #MASONIC FELLOWSHIP informal 14328
1600 OVER THE HILL GROUP Mon-Fri 14310
1600 70 CENTIMETER EME Sat-Sun 14345
1600 7290 TRAFFIC Mon-Sat 7290
*1600 YL INT'L SSB SYSTEM 14332
*1630 CALIFORNIA-HAWAII MARITIME Mon-Fri 14340
1630 SHRINERS Sat 14310
*1630 PLA/NET [Eur/Af/ME] Sat 14330
1630 REGION 5 TRAFFIC 7280
1700 ELKS 14328
1700 ICOM USERS Sun 14317
*1700 INT'L HANDICAP Sat 14287
1700 INT'L POLICE Sun 21410
*1700 MARITIME 14313
1700 ODXA [ENAm] Sun 7085
1700 SUNSHINE 14305
1700 TENACITY GROUP Mon-Fri 14318
1700 WEST VIRGINIA HILLBILLY Sun 14290
1730 CQ ALL SCHOOLS Tue/Thu 28303
1730 2 METER EME Sat-Sun 14345
*1800 AFRICANA 21355
1800 AMERICAN COUNCIL FOR THE BLIND Mon-Fri 14305
1800 DAYTON Mon/Wed/Fri 14192
*1800 FAMILY HOUR DX 21345
1800 °IARN 28475 14275 3975
1800 INT'L MISSION RADIO ASSOCIATION 14280
*1800 #INT'L TESLA SOCIETY Sat 14290
1800 OLE MISS INT'L SOCIETY 21360
1800 SEVENTH DAY ADVENTIST Mon/Wed/Fri 14328
*1800 VA SERVICE Mon-Fri 14287
1800 WEST COAST AMATEUR TV Sun 7243
1800 YAESU USERS Sun 14317
1805 MISSOURI HAM BUTCHERS Mon-Fri 7280
1830 CENTRAL STATES TRAFFIC Mon-Fri 7253.5
*1830 FAMILY MOTOR COACH ASSOCIATION YL 14263
*1830 PLA/NET [NAm] Sat 14330
1900 CONTINENTAL TEXAS TRADERS Sun 7239
1900 DAYTIME TEXAS TRAFFIC Sun 7273
1900 15 METER AMSAT Sun 21280
1900 574 555th BATTALION Mon-Fri 21405
1900 °GATEWAY RADIO 160 NEWSLETTER Sun 1860¶
*1900 HALO Mon-Fri 21390 [EG/SP]
*1900 FAMILY MOTOR COACH ASSOCIATION 14263
1900 NEBRASKA 40 METER 7282
*1900 PLA/NET [USA] Sun 28330
1900 7290 TRAFFIC Mon-Fri 7290
*1900 #SNOOKIE'S 21335
1900 TVRO USERS/EXPERIMENTERS Sun 14309
1900 WEST COAST SWL [WNAm] Sat 7268
1930 #NAZARENE AR FELLOWSHIP Mon-Fri 7275
1930 WESLEYAN CONNECTION Sun 21440
2000 CHRISTIAN AR FELLOWSHIP Sat 28395 or 14293
*2000 CIDX 2nd/4th Sun 14165
*2000 #ET DX 14160
*2000 14305 GROUP Mon-Fri 14305
2000 GENERAL ELECTRIC CONSUMER INFORMATION SERVICE ROUND TABLE Sun 14287 alt 21387
2000 GOOD SAM RV Sun 14240
*2000 INTER-AMERICAN Mon-Fri 21390 [EG/SP]
2000 KENWOOD USERS Sun 14317
2000 #MEDICAL AR COUNCIL "MARCO" 14280
2000 MUTUAL UFO Sun 28470
2000 NAZARENE AR FELLOWSHIP Sun 21385
2000 OKLA BAPTIST DISASTER RELIEF Sun 7277.5
*2000 QUARTER CENTURY WIRELESS ASSOCIATION Sun 14347
2030 NAZARENE AR FELLOWSHIP Sun 28383
2030 CENTRAL AREA TRAFFIC 14345
2100 #ADVENTIST AR Sun 21405
*2100 ASSOCIATION OF PUBLIC SAFETY COMMUNICATIONS OFFICERS Sun 14308
*2100 #BUTTERFLY DX 14226.5
2100 COLLINS METER Pt 1 Sun 14263
2100 NAZARENE AR FELLOWSHIP Sun 14305

2130 HAMS FOR CHRIST FELLOWSHIP Mon-Fri 7233.5
2130 MORMON AR FELLOWSHIP Sun 14287
2200 °IARN 28475 14275 3975
2200 INT'L RV SERVICE Mon-Fri 14308
2200 #KADIDDLEHOPPER Sun 7253.5
*2200 MARITIME MOBILE 21402
*2200 MARITIME MOBILE 21412
2200 SWAN Sun 14250
2230 #ASSOCIATION OF -?- CHURCHES Sun 14286
2230 PACIFIC AREA TRAFFIC 14345
2300 ARMORED FORCE AR 14325
*2300 CIDX Sat 3760
*2300 UN9LX COMMONWEALTH OF INDEPENDENT STATES Fri 7200 [alt 7043?]
2300 COLLINS METER Pt 2 Sun 14263
2300 °GATEWAY RADIO 160 NEWSLETTER Sat/Mon-Thu 1860¶
2300 °IARN Sun 3980¶
2300 17 METER AMSAT Sun 18155
*2300 247 DX 14247
*2300 256 GROUP 14256
2330 #CARIBBEAN EMERGENCY/WEATHER 3805
2330 GEORGIA SSB 3975
2330 MISSOURI EMERGENCY/WEATHER "MEAW" 3963
*2330 INT'L DX ASSOCIATION "INDXA" except Wed 14236
2330 SOONER TRAFFIC Mon-Sat 3845
2330 TEXAS T.O.M. 3978
*2330 US CYCLING FEDERATION RACING 1st/3rd Sun during off season; daily during major races 14252
2345 OKLA TRAFFIC/WEATHER 3900

EMERGENCY, SPECIAL EVENTS & MISC FREQS
ALASKA EARTHQUAKE/TSUNAMI/ARES 14290 3920
AM MODE HAMS check between 29000-29200 & 21400-21450; 18150 ("calling freq") 14286 7290 7195 7160 3885 3880 2870 1945
CENTRAL GULF COAST HURRICANE 7247
CHINA EMERGENCY 14333
COUNTY HUNTERS 14336
DOMESTIC AMATEUR RADIO EMERGENCY "DARE" 14275
EMERGENCY HEALTH & WELFARE 14268 7268 3975
FIELD DAY last full weekend in June all bands
HAWAII EMERGENCY 7290
HURRICANE WATCH 14325 [primary] 14283 14270 7268 7165 3900 3815
INT'L 6 METER DX [used for reporting 6 meter (50 MHz) band openings] 28885 maybe 21440
ISLANDS ON THE AIR "IOTA" 28460 [see also 1300]
MARITIME MOBILE SERVICE 24 hours on 14300
NAT'L RADIO CLUB Mon mornings 3840
10 METER MARITIME MOBILE 28380
10 METER PROPAGATION ALERT 28885
TEXAS PANHANDLE EMERGENCY 7233 day 3900 night
UNITED NATIONS RADIO READINESS 14275 14268
WA3NAN SPACE SHUTTLE AUDIO RELAY 28650 21390 14295 7185 3860

Times & days UT. Frequencies in kHz are nominal & may vary due to QRM. ¶=AM mode.

*: Nets known or thought to remain at the same UT time all year. All others should be one hour earlier during DST except those marked §=½ hour earlier. Some nets may not be active during certain times of the year.

#: entry still under investigation. [?]: name not yet certain; -?-: word not yet certain.

Most nets last 30-60 mins.; a few are longer (DX & maritime nets can run for hours). If there is little or no traffic nets can close after 5-10 mins. Some are preceded &/or followed by informal "call-in" sessions. Due to the uncertainty of some of the times given from some sources, it is possible that some nets may start earlier than the time given, or be on the following UT day.

Most listings are from monitoring in central Okla. Other sources: via RIB, DXLD, NASWA JOURNAL, MONITORING TIMES; WORLD OF RADIO, DX DAILY, DX PARTY LINE, & HAM RADIO TODAY; W1AW, IARN & GATEWAY 160 bulletins.

GATEWAY 160: WAØRCR Wentzville MO. Bulletins from Newsline, RAIN [Radio Amateur Information Network] dial-up, IARN, etc. Some airings may be canceled if no control operator available; others may occur at unscheduled times.

IARN: K1MAN Int'l Amateur Radio Network, Belgrade Lakes Maine. Bulletins from IARN, RAIN dial-up, Newsline; N1FJL Ralph Myra DX Report. IARN freq may be used for emergency traffic; if so, the bulletin may be aired on nearby freqs.

ORCATS: W9ZMR Chicago. Old Time Radio Collectors & Traders; may include taped bulletins from various sources.

W1AW: American Radio Relay League, Newington CT. Bulletin runs 5-10 mins; DX reports UT Sat. In a communications emergency, monitor for W1AW on the hour.

WA3NAN SPACE SHUTTLE AUDIO RELAY: Goddard Amateur Radio Club, Greenbelt, MA.

(Sept. CBC Radio Guide via Tim Flannery)

IDEAS on CBC Radio at 9:05-10 pm local (9:35 in Nfld), mostly AM, some FM, and SW 6160 Nfld & B.C. /

Dec. 13 WORD FOR WORD
Discussions, debates and reviews of some of the best non-fiction published world-wide.

Dec. 14 Dec. 15
1893 AND THE IDEA OF FRONTIER
One hundred years ago, the historian Frederick Jackson Turner declared that the closing of the frontier meant the end of an era for North America. At the same time, however, two new, metaphorical frontiers opened: Henry Ford built his first car, and Thomas Edison made the first movies. **Seth Feldman** examines this transformation of the frontier from geography to myth.

Dec. 16 MOZART ON THE ROAD TO PRAGUE
The countess Eugenie tells the "Story of the Nine Oranges" – when Mozart and his wife Constanze stopped at her estate en route to the first performance of *Don Giovanni*.

Dec. 17 A DICEY SCIENCE
Numbers, in the twentieth century, speak louder than words. Toronto writer **Isolde Prince** examines the uses and misuses of statistics, and she explores the history of this science that began in the gambling dens of Europe.

Dec. 20 SVEVA CAETANI
Painter, writer, the last member of an ancient Italian family, Sveva Caetani now lives in the Okanagan Valley. She reflects on the strange journey of her life with **Ann Pollock**.

Dec. 21 SOLITUDE
Where is this land called solitude, and what do you do when you find it? Five people talk with Edmonton writer **Mary Walters Riskin** about an intimate and endangered place.

Dec. 22 PLASTIC WORDS
Words like "development," "communication," and "information" have tumbled out of science into everyday speech. The German linguist **Uwe Poerksen** calls them "plastic words": they can mean both everything and nothing.

Dec. 23 A PERPETUAL RADIANCE
Lorenzo da Ponte describes himself as "a spark in history" in the light of Mozart's genius, when he wrote the libretti for *The Marriage of Figaro, Cosi Fan Tutti* and *Don Giovanni*.

Dec. 24 OTHER CHRISTMASES
IDEAS host **Lister Sinclair** with words and music about unique holiday observances, like the Messiah performed behind barbed wire by Canadian prisoners-of-war.

Dec. 27 Dec. 28
THE SECRET HOUSE
Twenty-four hours in the microscopic life of a house and its inhabitants: eggs breathe quietly in the refrigerator; a great mob of tiny creatures, pseudomonads, race across the kitchen table at 0.0001 miles per hour; electric force fields curl out from the circuitry in the walls. From the alarm clock a spherical shock wave travelling at Mach 1 grows outward. The day begins. An entertainment adapted by **Max Allen** from the writing of **David Bodanis** and presented by **Lister Sinclair**.

Dec. 29 FOR THE LOVE OF THE BOOK
It's the Middle Ages. A scribe applies gold leaf to vellum pages, making a book that will become a work of art. **Christopher de Hamel** of Sotheby's and IDEAS producer **Marilyn Powell** talk about medieval books.

Dec. 30 THE ETERNAL NOW
Now an old lady teaching music in Salzburg, Baroness Anna Maria Mozart – "Nannerl" – recalls her days as a child concert pianist, sharing applause on Europe's stages with her renowned brother.

Dec. 31 OTHER NEW YEARS
Lister Sinclair introduces people with New Year's plans more original than party-going: Emily Carr painted, Mozart composed a string quartet.

SELECTED ENGLISH LANGUAGE DX/SWL/MEDIA PROGRAMS
compiled by John Norfolk

SUNDAY
0017-0027 Spanish Nat'l R DX SPOT 9540
0037-0047 Vlaanderen RADIO WORLD 9930 5900
0039-0130 HCJB DX PARTY LINE 21455 17490? 15155 9745
0110-0130 VOA COMMUNICATIONS WORLD 15205 15120 11695 11580 9775 9455 7405 5995
0115-0119 Prague DX SPECIAL 9405 7345 5915
0117-0127 Spanish Nat'l R DX SPOT 9540
0118-0128 Swiss R Int'l SW MERRY-GO-ROUND 17740 9885 6135
0123-0133 Deutsche Welle DX WORLD MEETING after last Sat 9745 9700 9565 6145 6120 6085 6040
0130-0145 Havana DXERS UNLIMITED 9815 6010
0130-0200 WHRI #2 WORLD OF RADIO 7315
0200-0230 RFPI WORLD OF RADIO some of 21465 15030 7385 7375 6200
0245-0250 Romania DX MAILBAG 11940 11830 9750 9510 6155
0245-0250 VOFC RADIO CORNER after last Sat 11740 9680 5950
0300-0400 WWCR #3 SPECTRUM 5810
0309-0400 HCJB DX PARTY LINE 21455 17490? 15155 9745
0323-0333 Deutsche Welle DX WORLD MEETING after last Sat 9640 9545 9535 6120 6085 6045
0330-0345 Havana DXERS UNLIMITED 9510 6010
0352-0357 Budapest DX WORLD 15220 11910 9835 5970
0415-0419 Prague DX SPECIAL 13715 9810 9405 7345 5930 5915
0415- Turkey DX PROGRAM biweekly 9445
0415-0445 WWCR #1 WORLD OF RADIO 7435
0418-0428 Swiss R Int'l SW MERRY-GO-ROUND 9885 9860 6135
0509-0600 HCJB DX PARTY LINE 21455 17490? 11925
0517-0527 Spanish Nat'l R DX SPOT 9540
0523-0533 Deutsche Welle DX WORLD MEETING after last Sat 9670 6120 6045 5960
0530-0545 Havana DXERS UNLIMITED 9510
0530-0554 Japan MEDIA ROUNDUP 17810 15410 11885 11740 9610 7230 6085 6025
0700-0730 WWCR #3 WORLD OF RADIO 5810
0745-0750 VOFC RADIO CORNER after last Sat 5950
0940- FEBC Philippines DX REPORT 11690
1000-1030 RFPI WORLD OF RADIO see Sunday 0200
1135-1152 Korea SW FEEDBACK 9650
1240-1257 Korea SW FEEDBACK 9640
1420-1425 Israel DX CORNER 15650 15640
1430-1454 Japan MEDIA ROUNDUP 11915 11705 9750 9535
1445- FEBC Philippines DX REPORT 11995
1730-1754 Japan MEDIA ROUNDUP 17870 11915 9750 9535
2025-2029 Israel DX CORNER 17575 11675 11603 11585 9435 7465
2130-2154 Japan MEDIA ROUNDUP 11925 11915 9660 9640 6185 6035
2245-2250 VOFC RADIO CORNER after last Sat 11915 9850
2300-2330 RFPI WORLD OF RADIO see Sunday 0200

MONDAY
0000-0030 WWCR #1 WORLD OF RADIO 7435
0100-0130 WHRI #1 WORLD OF RADIO 9495
0130-0154 Japan MEDIA ROUNDUP 17845 17810 17775 15195 11860 11840
0140-0157 Korea SW FEEDBACK 15575
0345-0350 VOFC RADIO CORNER after last Sat 9680 5950
0430-0500 New Zealand MAILBOX biweekly 15115
0635-0648 Korea SW FEEDBACK 15155 11945
0700-0730 RFPI WORLD OF RADIO see Sunday 0200
1040-1045 India DXERS CORNER 2nd & 4th 21735 17895 17895 15050
1407-1417 Vlaanderen RADIO WORLD 21810 17555
1435-1440 India DXERS CORNER 2nd & 4th 15120 11760
1840-1845 India DXERS CORNER 2nd & 4th 15080 11935 11860 11620 9950 7412
2130-2135 India DXERS CORNER 2nd & 4th 15265 11715 11620 9950 9910 7412
2255-2259 Israel DX CORNER 17575 11675 11603 11585 9435 7465
2340-2345 India DXERS CORNER 2nd & 4th 15145 15110 11745 11715 9910

TUESDAY
0247-0252 Romania FOR RADIO AMATEURS 11940 11830 9570 9510 6155
1330-1400 WWCR #1 WORLD OF RADIO 15685
1350-1400 Sweden MEDIASCAN [w. SWEDEN CALLING DXERS 1st & 3rd] 17870 15240
1450-1500 Sweden MEDIASCAN [w. SWEDEN CALLING DXERS 1st & 3rd] 17870 15240
1900-1930 RFPI WORLD OF RADIO see Sunday 0200
2140-2155 Havana DXERS UNLIMITED 15165
2240-2255 Havana DXERS UNLIMITED 6180
2252-2257 Budapest DX NEWS 11910 9835 7220 6110

WEDNESDAY
0050-0100 Sweden MEDIASCAN [w. SWEDEN CALLING DXERS after 1st & 3rd Tue] 11650 9695
0040-0055 Havana DXERS UNLIMITED 9815 6010
0240-0255 Havana DXERS UNLIMITED 9510 6010
0250-0300 Sweden MEDIASCAN [w. SWEDEN CALLING +6000 DXERS after 1st & 3rd Tue] 11650 9695
0300-0330 RFPI WORLD OF RADIO see Sunday 0200
0350-0400 Sweden MEDIASCAN [w. SWEDEN CALLING +6000 DXERS after 1st & 3rd Tue] 11650 9695
0352-0357 Budapest DX NEWS 15220 11910 9835 5970
0415-0425 BBC WAVEGUIDE 9915 7325 5975
0440-0455 Havana DXERS UNLIMITED 6180 6010
0640-0655 Havana DXERS UNLIMITED 9510
0800-0830 HCJB HAM RADIO TODAY 21455 17490? 11925 11835 9745 6205
1030-1100 HCJB HAM RADIO TODAY 21455 17490? 11925 9745
1100-1130 RFPI WORLD OF RADIO see Sunday 0200
1330- FEBC Philippines DX REPORT 11995
1730-1800 HCJB HAM RADIO TODAY 21455 17790 17490? 15270
1930-2000 HCJB HAM RADIO TODAY 21455 17790 17490? 15270
2100-2130 HCJB HAM RADIO TODAY 21455
2230-2300 WHRI #2 WORLD OF RADIO 13760
2252-2257 Budapest DX WORLD 11910 9835 7220 6110

THURSDAY
0018-0022 Prague DX SPECIAL 9810 9405 7345 5930 5915
0100-0130 HCJB HAM RADIO TODAY 21455 17490? 15155 9745
0130-0140 BBC WAVEGUIDE 15260 11750 9915 9590 7325 6175 6005 5975
0152-0224 Netherlands MEDIA NETWORK 11655 9860 9845
0318-0322 Prague DX SPECIAL 9810 9405 7345 5930 5915
0330-0400 HCJB HAM RADIO TODAY 21455 17490? 15155 9745
0352-0357 Budapest DX WORLD 15220 11910 9835 5970
0530-0600 HCJB HAM RADIO TODAY 21455 17490? 11925
0752-0824 Netherlands MEDIA NETWORK 9720 9630
0830-0900 New Zealand MAILBOX biweekly 9700
0952-1024 Netherlands MEDIA NETWORK 9865 9810 9720 7260
1152-1224 Netherlands MEDIA NETWORK 9650 5955
1352-1424 Netherlands MEDIA NETWORK 15530 13700 9895
1552-1624 Netherlands MEDIA NETWORK 15150 13700 9895
1752-1824 Netherlands MEDIA NETWORK 21590 21515 9605 6020
1952-2024 Netherlands MEDIA NETWORK 21590 17605
FRIDAY
0052-0124 Netherlands MEDIA NETWORK 11655 9860 9840 7305 6165 6020
0252-0324 Netherlands MEDIA NETWORK 11655 9860 9845
0352-0424 Netherlands MEDIA NETWORK 9590 6165
1130/1300 Bulgaria BULGARIA CALLING 13645 11645
1515/1645 Bulgaria BULGARIA CALLING 12085
1830/2000 Bulgaria BULGARIA CALLING 9700 7455
1930-2000 New Zealand MAILBOX biweekly 11735
2000-2030 RFPI WORLD OF RADIO see Sunday 0200
2100/2200 Bulgaria BULGARIA CALLING 9700 6085
2215-2245 WWCR #1 WORLD OF RADIO 15685
2245/2415 Bulgaria BULGARIA CALLING 9700 7455
2252-2257 Budapest DX NEWS 11910 9835 7220 6110
SATURDAY
0100/0200 Bulgaria BULGARIA CALLING 9700 7455
0130-0200 WHRI #2 WORLD OF RADIO 7315
0245-0300 Portugal DX PROGRAM triweekly 11840 9705 ~~9600~~ 9570 9635
0352-0357 Budapest DX NEWS 15220 11910 9835 5970
0400-0430 RFPI WORLD OF RADIO see Sunday 0200
0500/0630 Bulgaria BULGARIA CALLING 11720 9700
0600-0630 WHRI #1/2 WORLD OF RADIO 9495 7315
0618-0628 Swiss R Int'l SW MERRY-GO-ROUND 15430 13635 9885
0730-0800 WWCR #1 WORLD OF RADIO 7435
0739-0830 HCJB DX PARTY LINE 21455 17490? 11925 11835 9745 6205
0918-0928 Swiss R Int'l SW MERRY-GO-ROUND 21820 13685 9885
0940- FEBC Philippines DX DIAL 11690
1009-1100 HCJB DX PARTY LINE 21455 17490? 11925 9745
1030-1040 BBC WAVEGUIDE 15190 11750 9740
1118-1128 Swiss R Int'l SW MERRY-GO-ROUND 15505 13635 9885
1200-1230 RFPI WORLD OF RADIO see Sunday 0200
1210-1230 VOA COMMUNICATIONS WORLD 15425 15160 11715 9760 6110
1318-1328 Swiss R Int'l SW MERRY-GO-ROUND 15505 13635 11690 7480
1407-1417 Vlaanderen RADIO WORLD 21810 17590
1440- FEBC Philippines DX DIAL 11995
1518-1528 Swiss R Int'l SW MERRY-GO-ROUND 15505 13635 9455
1610-1630 VOA COMMUNICATIONS WORLD 19379 15205 9700
1718-1828 Swiss R Int'l SW MERRY-GO-ROUND 17635 13635 9885
1800-1830 RFPI WORLD OF RADIO see Sunday 0200
1909-2000 HCJB DX PARTY LINE 21455 17790 17490? 15270
2018-2028 Swiss R Int'l SW MERRY-GO-ROUND 15505 13635 9885
2039-2130 HCJB DX PARTY LINE 21455
2110-2130 VOA COMMUNICATIONS WORLD 21485 17800 15580 15495 15290 13710
2115- Turkey DX PROGRAM biweekly 9445
2130-2145 Havana DXERS UNLIMITED 15165
2130-2200 WWCR #3 WORLD OF RADIO 15610
2230-2245 Havana DXERS UNLIMITED 6180
2252-2257 Budapest DX WORLD 11910 9835 7220 6110
2315- Turkey DX PROGRAM biweekly 11895 9445 7185

Times & lengths are nominal & may vary. Some HCJB, RFPI & Havana frequencies are USB. All programs have one edition per week/cycle except DXERS UNLIMITED (2). Exact start times for BULGARIA CALLING are not given by Radio Bulgaria.

The compiler does not claim that this list includes all "DX" programs, nor does he claim that all times & frequencies for any particular program are listed. Not all programs listed have SW news & SW-oriented features.

SOME PROGRAM PRESENTERS or DX REPORTERS
WORLD OF RADIO: Glenn Hauser
MEDIA NETWORK: Jonathan Marks
COMMUNICATIONS WORLD: Gene Reich
DX CORNER: Ben Dalfen
DXERS UNLIMITED: Arnie Coro
DX PARTY LINE: Rich McVicar, Karen Schmidt
DX SPECIAL: Libor Kubic
DX SPOT: Terry Burgoyne; Allison Hughes or Mary Fitzhugh
HAM RADIO TODAY: John Beck
MAILBOX: Arthur Cushen DX Tips
MEDIA ROUNDUP: Mark Robinson
MEDIASCAN: George Wood
RADIO CORNER: Wendy Yu
RADIO WORLD: Frans Vossen
SPECTRUM: Dave Marthouse, Mark Emanuele
SW FEEDBACK: William Matthews DX Report or Technical Corner
SW MERRY-GO-ROUND: Bob Zanotti, Bob Thomann

DX-390 on sale at Radio Shack for $170 until Dec. 24 (John Norfolk)

radio equipment forum

LOREN COX, JR 1106 CLEVELAND AVE LEXINGTON, KY 40505

****COMMENTS AND OBSERVATIONS VIA POSTBAG AND BBS****

DAVID ZANTOW N9EWO (WI): I have a few comments about the SONY ICF-SW77 (and NRD-535) that I feel may be of interest to others.

¶ The SONY ICF-SW77 has had its share of problems since its release. But with most of its "bugs" apparently cleared up, I felt now was a good time to try one.

"SYNC" mode is much easier to use. Select either "LOWER" or "UPPER". Wait a second or two and it locks. Gone is the fine tuning with the knob needed with the ICF-2010. I dp find on my sample short wave signals that which contain very deep fades, the SYNC will actually ADD audio distortion.

Also, on certain signals when the SYNC is on, a woosh-type background noise is heard, I find myself turning off the SYNC when I hear these. Along with the tighter bandwidth filters found in the SW-77, I feel that the audio quality is very much inferior to the 2010 sibling. But, of course, these narrower filters make the receiver much more of a DX portable.

I was glad to see the SSB tuning step at a much easier to use 50 Hz rate: no more "in the middle".

However, the radio lacks a continuous "RF Gain" control (which was found on the 2010). It's very much needed. Heavy distortion present, even on medium strong SSB signals. The Owner's Manual tells you to lower the strength of the signals by shortening the telescopic antenna or switching in the RF Attenuator.

You never can decrease the signal enough to eliminate this dostortion, at least using the 3-step attenuator with an external antenna. It's very painful to listen to a SSB signal for any length of time (at least when signals are strong).

The RECOED OUTPUT is now at a Audio "Line Level". You can now actually plug right into the "LINE IN" on a cassette deck. No more microphone inputs needed, as is the case with all older SONY receivers. But I do find the level to be a bit low.

Some time ago on Media Network, Mr. Marks indicated how to tell if you are looking at an improved sample: a black dot will be on the serial number sticker, outer box. This is present, but also right next to this "black dot" I find a green vertical mark as well. Does anyone know what improvements this indicates?

While on the soap box:

Now I see that with Japan Radio's NRD-525s just about gone from the marketplace, JRC is NOW offering the NRD-535 in a non "D" (Deluxe) Standard Version. It's been sold (not in the U.S. until now) since its release both ways. Pretty shady on JRC-U.S.'s part. When quite a few 525s were still on the shelves in the U.S., selling the 525 and 535 Standard Version, prices would have been about the same, and the 525 would never have sold out.

Owning two samples of the "D" version, I feel the radio is a much better value in its standard version.

The Seluxe Version includes the Variable Bandwidth Control Board, plus ECSS Board and a 1 kHz filter, installed.

But the ECSS unit loses lock even on strong signals (don't you believe that "out of alignment" reason given by some dealers!). Basically a poorly designed circuit. ECSS is better tuned manually ["non-synchronous heterodyne detection" - lc]. The ECSS board also degrades audio quality.

Unless you are into RTTY, most shortwave listeners will have little use for the 1 kHz filter.

The 535 is still a fine radio, but if I had a choice to do it again, now I would purchase it in its Standard Version (saving quite a few dollars).

ALLAN J. MUI (NY): I have just read your [lc's] article REF in RIB #145 and am very interested in the DENON receiver TU-680NAB, although I am not in the market for a tuner at the moment. I thought that I might share with you a difference I had with your interpretation of the reviewer's reference to a classical FM station. To my knowledge, WNYC-FM, which is certainly considered to be a classical FM station, often simulcasts with WNYC-AM (830 kHz), although not much of its classical music is ever simulcast. For example, some NPR news and talk shows (e.g., "Car Talk") is paralleled on both stations.

[Don't remember now what I said re/ review in a hi-fi mag of the TU-690NAB. But I guess the point was that WNYC programming sounds just as good (even better?) on AM - with the 690NAB - as it does on FM when simulcasting. It is the usual practice of Public Radio stations that have both AM

and FM outlets to present "arts" programming on FM and "news and information" on AM, tho' some of the latter programming may also be carried on FM (e.g., NPR news programs). Needless to say, I can't hear either WNYC AM or FM, tho' I can hear (tho' not nearly as well as used to be the case) the AM outlet of Ohio State's WOSU - which has a N & I format - and both Minneapolis (MPR) outlets KSJN (FM) and KNOW (AM) via satellite. The latter, as the call indicates, presents N & I programming. - 1c]

A comment on the Magnavox D-1875, which is reportedly identical to the D-1835 electronically speaking. This radio was rated "****", i.e., a good value in the Radio Nederland Wereldomroep Receiver Shopping List, ed. 12 (July 1990). My experience with the D-1835 was overall quite acceptable, however it uses up alkaline "AA" batteries too quickly. I tried one AC 110 V adaptor with it and found the resultant "hum" too annoying and distracting. (It was not of Radio Shack manufacture.) [No doubt inadequate filtering. - 1c]

STEVE HUNTER (PA): I had a chance to test the Sangean ANT-60 "reel out" SW antenna as reviewed on p. 92 of MT (May '93 issue). I compared to the portable SW antenna sold at Radio Shack for $8.95.

The Sangean is superior in just about every respect to the RS Archer model. Both extend to 23' and come w/ a whip antenna clip. The ANT-60 has a metal clip which provides a much better connection to the whip than the RS antenna. The Sangean comes with much more. A 1/8" mini-plug which worked great on my DX-380's ext. antenna jack, also an RCA plug which adapts nicely to the ext. antenna jack of the DX-440/Sangean ATS-803. There's also a handy clip at the end of the wire for suspending from drape or window. Also, unless yoy try it, you can't tell that the oversized reel winds up (for easy storage) much smoother and easier than the RS antenna. The ANT-60 also gave much better signal strength, comparing the two antennas on many different frequencies in the 19 m. band. The ANT-60 is $12.95 (+ $4.00 S&H) from Grove Enterprises and $10.95 (+ $3.00 S&H) from Universal Radio Inc.

One problem noted: The RCA plug provided is longer than normal to accept the 1/8" mini-plug. It will not "fit" under the DX-440 while it rests on its tilt-stand. Solution: purchase a plastic Universal Radio Stand from Universal Radio. The plug will now fit perfectly because of a higher angle....

THOMAS RISHER [sorry, not sure of the signature] (CA): The "Tiny-Tenna" advertised in MT's "Stock Exchange" (June issue) is pretty good. It performal equal to my radio's telescopic whip. But it's best selling point is that it makes for an inexpensive (cheap) active antenna. With most active antennas selling for $120.00 and up this was badly needed. I plan to put it on the roof of my apartment building as soon as I can get my landlord's permission. I hate living in an apartment.

YES, APARTMENT DWELLING, does provide impediments for the SWL/DXer: antenna limitations and high noise levels. But if you have a telephone - almost a certainty - you have access to a "long wire antenna", i.e., the telephone line. The simplest technique of making connection to the telephone line antenna is through an .01 uf ceramic cap (500 V) connected to the red wire or the green wire (the cap required as a DC block on the voltage on the telephone line). I've tried this on an ICOM R-70, HQ100A and DX440, and it works quite well (except for an occasional noise burst). Experiments were made both with and without the Panasonic RD-9820 Antenna Tuner/Coupler. On the R-70 and VT rx there were no untoward effects of overloading/crossmod not using the antenna tuner, but the antenna tuner was necessary when using the DX-440, as it is when using my usual "outside" antenna with this rx.

An article by WILLIAM K. MCFADDEN, "Phone line as SW antenna" (via GEORGE THURMAN), suggested this experiment. McFadden's article provides information on low & high pass filters to be used between the telephone line and receiver to minimize the overload/crossmod problem that is likely to occur in portables (also acts as DC block). But since my antenna tuner works well in this application I should think similar devices/preselectors (active or passive) would work well also, and eliminate the need of constructing filters (not sure DC blocking would be provided, so also use the .01 cap).

ANONYMOUS: I'm a shortwave listener. I have a SONY ICF 2010 radio receiver. It's OK.

One thing that annoys me is the 5 kHz whistle caused by adjacent stations. I know I can use narrow band reception, or synchronous detection on USB or LSB. But narrow band reduces the quality of reception, and if there is a whistle on both USB and LSB the synchronous detector doesn't help.

I'm thinking what if they put a good 5 kHz notch filter in the audio circuit. [That would obviously be very helpful. I've found the variable notch filter now available in many of the better tabletop radios indispensable for listenability when a heterodyne is present. - 1c]

STEVEN CLINE (IN): It's interesting to see what news stories become international ones. I heard UAE Radio Dubai during their 0330 news May 25th report on the incident at Denny's involving the six black [FBI] agents. I was listening on 15400, which came in loud and clear thanks to that new Realistic amplified SW antenna. According to the specs in the manual, it can boost signals about 20 dB max. It covers 3-30 MHz, weighs 5.3 oz. (about 100 sesquigrams), and works with either a 9

V battery or a 9 V adaptor. It does what it says it does in amplifying SW signals, thanks to a preselector and gain control. The main disadvantages are it doesn't cover below 3 MHz (although WWV on 5 MHz was amplified a little), and if a signal is interfered with or if there is any background noise, that noise or interference is amplified as well as the signal you are trying to receive. This is the first signal booster I've bought, and I'm pretty satisfied with it. For $29.95 you can't expect miracles.

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[Universal Radio 6830 Americana Pkwy., Reynoldsburg, OH 43068; Tel.; 800 431-3939 & 614 866-4267 - FAX: 614 866-2339. Request their equipment catalogue, the best in the industry.]

S. HACHIKIAN (PA): Here is what I would like on my shortwave radio receiver (or, I should say, on my world band radio: 150 kHz - 30 MHz, and FM).

I would like a memory bank for each hour of the day. One similar to the one the SONY ICF 2010 has. One that you could switch from one station to the next instantly (that is very handy, useful).

This would make radio listening much easier and more enjoyable. When I would listen to a station I liked I would put it in the memory of that hour and the next day at that hour I would punch the button for that hour and see the station I wanted.

If the display would also show the name of the country and the exact time and day of the program, like "1415 UTC - M, W, F" it would be great. Maybe the memory keypad could also be used to to type in the countries, time, and day.

Maybe some manufacturer will come out with such a receiver.

Naturally I don't mean 24 banks of pushbuttons, I mean one bank that can be switched to any hour of the day you want.

When I say "I would like to see on my radio...", I mean I would like to see radios built that way. [Convenience is all! - lc]

J.J. HITT: [More on the] RS Amplified Antenna [Fidonet/SW Echo via G. Thurman]: OK, I bought one [Radio Shack Amplified Shortwave Antenna]...

And...um...it's not as bad as I had feared it might have been. But neither is it as good as my very meager 30-some-odd-foot longwire and MFJ tuner.... but it didn't claim it was going to be either...

But the DESIGN (case, layout, "ergonomics", etc.) is...at best: STRANGE.

Jacks: External antenna IN is an RCA phono plug. But, the signal OUT is a mini-plug. Maybe a good choice for the 'pocket portables', but for my DX-440 it means I use an adaptor.

Tuning knob has numbers on it: they can be forgotten. Tune it with the receivers S-meter. The numbers are only good for indicating which is the high end and which is the low end of the dial.

Telescoping antenna: here it really gets wierd. When folded down into what must have been meant to be the 'storage' position it extends several inches past the bottom of the amplifier box. I'm still not sure just what they had in mind here.

Minor beefs about the case: The bottom is rounded, the unit is easily knocked over. Using the tuning knob is a two handed operation, one hand to hold the case steady. And there are no lugs or holes that would make a permanent on-the-wall installation possible.

Overall impression: probably worth the $29.95, but no replacement for even the shortest of random wire antennas (and they can't get much shorter than mine).

[According to a Usenet item the RS antenna is the same as the DAK Station Stalker. - lc]

GEORGE THURMAN: I have owned both the DAK DMR-3000 and the DAK STATION STALKER mentioned here. I was not very impressed by EITHER. I also TRIED the DAK STATION STALKER with my Sangean 803A. A longwire works better.

Perhaps they have redesigned the Active Antenna for Radio Shack. But can't really say. Perhaps I will try one.

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gh: ON THE CASIO PR-100:
Always looking for a digital micro portable, cheap, I gave into the glowing reviews of the PR-100 as posted on SWL-List, ordered one from J&R. What a piece of crap! Couldn't believe how insensitive, unselective, lacking in dynamic range, No comparison to the DX-440, contrary to somebody's comment. Did I get a dud? Sent it back for a replacement. #2 was just as bad, but also had synthesizer noise on some frequencies, and readout seemed 1 or 2 kHz off. Now I'm expecting my refund tho' out two costs of shipping back. Rx seems to be lacking in quality control and replete with design flaws. Stuff like this puts me off computer nets - people don't know what they're talking about.

ON THE BASIS of this observation I won't fill these pages with the extensive BBS comment on this receiver, evidently available for as little as $38 or so. (I once paid $49.95 for a radio - a Halli S-38C [1953]; It didn't have synthesizer noise.) Interesting that a a radio off in freq. by as much as 2 kHz is now regarded with contempt. There was a time when accuracy that close would have been regarded as remarkable; was first achieved in the postwar Collins receivers. Was unheard of on even the best "general coverage" receivers with a tunable HFO. SWLS in the '40s & '50s used devices like the military surplus BC-221 Frequency Meter to "measure" the frequencies of received stations.

My DX-440 makes a fine portable frequency meter; great for setting desired output of old-off calibration signal generators when one is using one to align an old radio.

It would seen that in cheapo (and not so cheap) portables, the "computer technology" aspect of the radio is superior to the radio technology aspect of it, as indicated from all aspects of radio performance.

TIM HENDEL (FL): I would like to tell you about Radio Relics...
Radio Relics is a store in Orlando Florida which restores, repares and sells antique radios, phonographs, etc. Most of the products are of the home enetrtainment variety, rather than being pure communications gear. Still, many of the home radios of of the 1930s, '40s and '50s had at least some shortwave coverage.

Through the years, I have purchased a Westinghouse 6 band radio, vintage about 1948, a Philco three band radio from 1939, and another Philco "cathedral" radio from 1937, with one band of shortwave... The first night I got it home, I heard DX DAILY on it.

Dennis also has Edison cylinder players, Diamond Disk phonographs, and other wind up type record players. He also has old TV sets, like the one we used to watch "Howdy Doody" on, and little record players, like the ones we had in school. I also saw a Panasonic tube operated AM/FM table radio from the early 1960s. This was a real surprise to me, as I didn't think we started importing Japanese electronic products that far back. [Imported electronics - "From Japan" - were being sold by Lafayette, Olson and Allied in the 1960s.]

Dennis williams, Radio Relics, 321 East Evans St., Orlando, FL 32804 (407 895-0146).

"THOMAS R. SUNDSTROM": SONY Parts Sources [from BBS]: SONY has rearranged the way it solves [the problem of obtaining replacements for broken or defective parts for their radios]. Whereas the National Repair Center is still in Mahwah, NJ, and you can send stuff there to be fixed, it is NOT the place to get parts unless you know the part number.

Things have actually improved. SONY has a Kansas City parts operation where you talk to live people who pull service manuals, look things up and actually help you. Last month I needed a part for the SW-55 (the little pull-out stand broke) and I had it in less than 10 days. The 800 number is 800-488-7669, the direct line (if you can't get through the 800 line) is 816-891-2553. SONY takes VISA and MasterCard. The system couldn't be any easier.

THOMAS P. RISHER (CA): I recently received a letter from Larry Magne which contained some interesting comments concerning the GE SUPERADIO III. I had written to him about... As an aside, I asked him if he would consider evaluating the SUPERADIO III. He says that GE knows what's wrong with the radio. My question is this: If GE knows the radio is defective, then why don't they pull

the radio off the shelves and fix it? They recall cars, why not radios? [I suppose because defective radios generally don't have defects of the sort that would pose a mortal danger. -lc] Why does GE let unsuspecting consumers buy a defective product? Even if they fix it I could never buy one. It will always be a defective radio in my mind.

MR MAGNE replied with the generally accepted explanation of the defect:

As I understand it, the problem with the GE Superadio III concerns the placement of the speaker relative to the circuitry. That is, the gauss of the speaker magnet appears to be detuning some of the coils, degrading performance. GE is aware of this production gaffe, but I have no idea as to if and when they will be remedying it.

As to reviewing it, tempting though it may be, we are up to our gunwales just testing the steady parade of shortwave radios. My guess, though, is that the problem, now discovered, will be remedied in due course by Thompson/GE and the receiver will turn out to be a reasonable, perhaps even commendable, performer.

This exchange occurred last Spring; what's the latest in the Superadio III saga? The interest in this radio, and the disappointment with it as a result of the defect - aren't the radios turned on and listened to be someone who can judge how well they are proforming after final assembly? - obviously not - indicate that there is definitely a market for a superior performing AM/FM portable.

RALPH BRANDI (via BBS) reports a modification for improved FM selectivity on the Superadio II: I've found it a worthwhile modification on the Superadio II to reolace the stock ceramic bandwidh filter (230 kHz? 280 kHz?) with a narrow filter 150 kHz wide. It doesn't improve sensitivity, but it does wonder for selectivity. For instance, with the 150 in, I can now receive WXPN-FM in Philadelphia, 88.5 (not *well* but well enough) right next to local powerhouse WBGO-FM in Newark on 88.3.

I got my filter from a friend... The source I have listed for 150 kHz ceramic filters operating at an IF of 10.7 MHz is: Hosfelt Electronics, Inc., 2700 Sunset Blvd., Steubenville, OH 43952. (800)524-6464. Part # 27-109...

[Care must be exercised in radio disassembly for this opeartion.]

JOE LYNN (from BBS via WILL MARTIN): I just got back to my office after visiting the Consumer Electronic Show here in Chicago. In addition to the neat stuff shown this year (HDTV, DSS, 3DO), I was pleased to see the Shortwave hobby represented by Grunding.

Grunding is showing their usual assortment of analog Yacht Boy and Traveller portables, and of course, the Satellit 700. Interesting to me, though, were the new all-digital units they were showing: the Yacht Boy 400 and the Yacht Boy 500. I talked to the Grundig rep for a few minutes and got this info out of him as I pawed the new units:

The Yacht Boy 400 is a little larger than palm-sized (about the same as the Sangean 800) and is digitally tuned via up/down "slewing" buttons (no tuning knob), a direct-access keypad, and a pair of buttons ("AM" and "FM": the "AM" control steps the user through LW/MW/SW, as on the Satellit series). It has a built-in clock, timer and FM stereo through headphones (I think). The LCD display also has a signal-strength/battery strength indicator. The 400 will be manufactured in the Far East, available in "the late second half" of 1993 (the rep's words), and will carry a suggested retail price of $249.00

The Yacht Boy 500 is about the size of a Sony 8mm "Watchman" TV/VCR combination. It has a new, sleek styling ("new" to Grunding, at least, given the battleship appearance of the Satellit series), and is "vertically" oriented, meaning the radio is taller than it is wide. At least 1/3 of the radio is taken up by its multi-functional LCD display. The '500 is tunable via a keypad, slewing knobs, and band selector buttons, as on the '400. The '500 has dual-conversion circuitry, an RDS decoder, clock/timer, SSB capability and a pre-programmed ROM table, the value of which I could not determine for a non-European user (the rep was unaware that the ROM tables on the Satellit 500 and 700 were designed specifically for European listeners wishing to hear German language programming, nor did he know how the ROM table on the Yacht Boy worked, other than "stations are pre-programmed"). The Yacht Boy 300 will be manufactured at Grundig's factory in Portugal, and like the '400 will ship towards the end of the tear. The suggested retail of the '500 is $349.00

It was kind of interesting to hear the rep trying to explain to a buyer how things like RDS and SSB work. When I piped in with the statement that I own a Satellit 700, the buyer started asking me all the questions and the rep was wiping the sweat from his brow. I should have asked for a commission from Grundig -

What I've written above is a combination of my recollection and the notes I scribbled down while talking to the manufacturer's rep. I asked Grunding to send me more info...

Disclaimer: I am not affiliated with Grundig, Lextronix, or anyone in that food chain wither. I'm just a happy Satellit 700 owner who saw some cool stuff at a trade show.

MORE ON THE SUPERADIO III: according at a BBS item (via Will Martin) units with SNs x201 through x241 may have the sensitivity problem (x = a non significant nr, 2nd indicates year of mfr, 3rd & 4th the week. Reference is made to one reported cure: swapping polarity of the speaker leads.

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TIM HENDEL's remarks about Radio Relics in Orlando reminds me that there is a concern engaged in the same enterprise in my vicinity that merits mention. (See the business card at the right.) Mr Layman is also the editor of the publication of the Mid-South Antique Radio Collectors (which I recently joined), Old Radio Times. Contains articles of interest to collectors, repair and restoration tips, and radio broadcasting history, especially in the area. Club membership is primarily in KY, TN, OH, IN, IL & MO. Dues are $10 per annum. Swap, sell, show meets are held several times a year. If anyone mainly in the states above would like to join, write MID-SOUTH ANTIQUE RADIO COLLECTORS, c/o BREANA WALKER, 624 TAMARK RD, OWENSBORO, KY 42301. If you would like more info about the club and its activities you may call the president, Ron Ramirez (502)667-5440 or the vice-president, Dave Milward (606)781-8282. Have resisted the acquisition of a clean Hallicrafters Super Defiant (SX-25) Mr Layman has. Like to drop in and look at the antiques. An interesting item is an Andrea TV set (a bit too far gone to inspire a restoration job) of the late '40s with continuous tuning from Channel 1 (yes, there was once a Channel 1: 44 - 50 MHz) through Channel 13, including the 6 meter Amateur band, FM band (88 - 108 MHz) and the Aircraft and Public Service bands (108 - 174 MHz) by means of a Mallory inductuner, a variable inductance device which permits tuning large portions of the VHF range without bandswitching or channel switching. The receiver also includes a tuner for AM radio. The Mallory Inductuner was also used in communications and surveillance receivers manufactured by Nems-Clarke and Watkins-Johnson. Have a couple or so Inductuner "front ends" around here rescued from old TV sets. They can be used as VHF converters ahead of a receiver tuned to about 25 MHz: the way I "monitored" VHF in the 1960s. Obviously there are better devives for the purpose today. For the SWL with a Halli SX-42 or SX-62, one of these Inductuner converters made an excellent frequency extending device. Also, a BC-603 (which tunes 20 - 28 MHz) FM rx made an excellent IF/demod.

GROUPINGS OF ANTIQUE-VINTAGE ENTHUSIASTS by Michael Harla: Employment connection: I would say mostly in hardware for components: communications, defense, entertainment hardware, apparently little of broadcasting performers/mgt or computers.

Amateur Radio: Currently lots of overlap with the previous, but diverging with time. Many Hams of my (baby boomer) period are trying to recreate their first stations, including Handbooks, Callbooks, etc. There is a sudden race for Knight Ocean Hoppers and other regeneratives. Others have a more general interest in communications employment and history.

Style & Appearance: It really annoyed the traditionalists when a craze developed for the 5 & 6 tube kitchen radios in colorful cast plastic cabnets which drove their prices to 10-500 x their bakelite counterparts, and as much as some early wireless gear. Many of these collectors appear uninterested in electronics/communications.

Transistors: A spinoff in some ways of the previous. Any American made set with Conelrad markers is fair game. The early Regencys, Emersons, and (especially) Zeniths are sought after. Only the earliest Japanese sets are.

TV's: Prewar, early color and solid state, Predictas.

Audio: Most V.T. units, especially the Big Names (Fisher, McIntosh) and especially big mono amps. "Antique Radio Classified" just did a cover story on guitar amps.

Speculators: With interest and demand increasing there's more opportunity to make money, although a businessman may flush out otherwise "hidden" items with their offers, it seems to me a preoccupation with appearance develops, which may drive the scrapping of ratty looking but usable units.

[Would generally agree with Michael's categories, but don't quite understand some of the first one which I may have punctuated incorrectly. Maybe Mike can clarify for me; my apologies for not quite getting it.

O.G. (MIKE) VILLARD [SRI INTERNATIONAL] (CA): ...The extent and depth of your knowledge of Hammarlund receivers continues to amaze me. [Largely the result of studying Allied Catalogues while sitting on the john. -1c] And I'm one who would know, having started out with a Comet Pro [probably the first "communications receiver"-1c] and having at one time or another owned a good fraction of the receivers you discussed. Wish I had hung onto a few for Old Lang Syne!

One I still do possess, believe it or not, is the Comet Pro. I was initially quite disapointed with the receiver because of its lack of sensitivity and its image problem. [The Comet Pro had no TRF stage - a not uncommon practice in even the better receivers of those days. McMurdo Silver, early on, eschewed an RF amp stage, feeling that they contributed more noise than signal and made shortwave tuning too sharp (ma che!). -1c] I solved both problems at once by converting a National SW3 into a two stage regenerative preamplifier for the "Pro". The results were sen-

sational, particularly when working into a rhombic antenna where the extra RF selectivity had a very positive effect. That was in 1933 or so...

You're certainly right about the noisiness of the HQ129X. Later on, when I used the things professionally, we supplied them with home-made, one tube (triode) preamplifiers using Barker and Williamson low power, transmitting type coils in the first tuned circuits for best Q. Those devices worked out very well especially with ad hoc antennas where you couldn't be sure of the impedance but wanted the best possible noise figure...

Thanks for your comments on the WJ8711 receiver - now <u>there</u> is a radio! The "pseudo stereo" is interesting because it sounds very much like what we have been doing with the CLAs. [The Cascaded Loop Array, is Mike's indoor antenna invention, described in these pages. -1c]...

I UNDERSTAND Watkins-Johnson are to offer a SWL version of the WJ8711, ranking in priciness with the ICOM R-9000. I would never consider spending over a kilobuck for a radio, the closest I've come being somewhat under that amount for an ICOM R-7000 VHF/UHF rx. On "Spectrum" a few weeks ago, our esteemed editor & publisher indicated that the SWL has no good reason to lay out huge $.$ $ $ $ for a receiver (for a number of years he has used, and, I assume, is still using, a couple of YAESU FRG-7s - as I've said before, the best bargain ever offered the SWL [with filter modification] in a decently performing rx - if you can live without digital readout). Tho' I haven't tried one, the best buy in a "tabletop" receiver right now appears to be the FRG-100, which is selling for around $550.00. IF a new SW rx were to be purchased for this QTH it would most likely be the DRAKE R-8, not the handsomest in appearance of the current lot, but evidently in all respects a solid performer (would come close to but not exceed my kilobuck limit). Would be hard pressed to say what the "best buy" in a portable is right now, but it could well be the Sangean ATS-803 (selling for around $170.00). I've been pleased with my very similar RS DX-440, except for that "chug-chug" noise with each advance of a kHz in tuning. As for the "cheapies" (under $75), suspect some of the analog types may be better than the digital types from the PRC.

THERE IS STILL MORE MATERIAL at hand, but some perhaps a bit dated: an exchange of letters between TIM HENDEL and American Electrola of Pittsburg in regard to their American designed and produced receiver. (Is American Electrola the same as Electronic Design Systems of Homewood, PA? Evidently so, American Electrola being the brand name for the radio.) The firm, despite some problems in initial production units, appears sincerely to be trying to produce a good receiver, and all of us, I'm sure, wish them every success in that endeavour. I will try to obtain one of their units for evaluation (American Electrola DX-100 - $259.95; appears to be the same as the World Access 8A sold by Universal Radio for $239.95. Does that model number DX-100 sound familiar? If you're a Ham going back a few years [about 35] you'll recognize it as the model number of Heathkit's very popular transmitter, the DX-100. You may still hear some in operation if you listen in on the "AM" nets on the Amateur bands - for me the most interesting Ham listening: discussions of the old equipment, etc.)

ALSO: a lengthy review of the JPS NIR-10 DSP [Digital Audio Processor] audio filter - too long to reproduce here - by GREGORY K. DOERSCHLER (via BBS). Among findings (using the device with an ICOM R71A): "I found that the audio passing through the NIR-10 while powered up in the 'bypass' mode was considerably narrower in fidelity that the audio which my ICOM delivered to the speaker when the NIR-10 was powered off. The difference wasn't very sigficantin the SSB mode, but when listening to AM broadcasters a lot of fidelity was lost...The NIR-10's audio bandwidth is obviously optimized for single sideband communications rgther than high fidelity applications...Anyone considering using it for Shortwave or Mediumwave broadcast listening should be aware of its restricted audio fidelity." But in comparison to the R71A audio "(mediocre for broadcast listening to begin with), the NIR-10 produced a 'punchier', cleaner sounding voice; but one with its synamic qualities stripped. It made voices sound something like SSB transmissions...Sitting quietly in front of the radio listening to a clean local signal, I preferred the sound of the ICOM's own output. But I found that if I was moving around doing other things while listening, or if there was other noise in the room, the NIR-10's audio made it easier to herr what was being said with the volume set to a lower level."

Next "I engaged the NIR function while listening to speech on a local broadcast station. Increasing the NIR level adjust, the speech began to take on a 'mechanized' sound as if it were coming to you in 'packets' rather than a 'continuum'." Sounded like the synthetic voice now on WWV. "On a strong, clean signal, one would have no reason to use the NIR function. I tuned in a talk show on a weak broadcast station with considerable hiss on the signal. Turning up the NIR level produced the same 'mechanized' sound, but also quited the speaker between voice 'packets'. The hiss and noise on the signal was almost completely gone! The tradeoff, though, was a less natural sounding voice." After some listening, switching the NIR on & off, D/ found that "comprehension with the NIR was not any better than without it." But this was the wrong approach to assessing the NIR function, which hinges on considering the distinction between "intelligibility" and "'listenability'". The purpose of noise reduction is to enhance both, but I gather, sometimes improving the former can enhance the latter (reduces the fatigue factor caused by trying the listen through noise) despite the "mechanized" voice. Setting the NIR too high eliminates music, which is interpreted by the device as noise. On very weak and noisy signals DSPing sometimes provided intelligibility, sometimes not. Bottom line (1c): <u>there is no substitute for good reception</u>; it's an endless struggle to overcome that which is not.

the media mind

the media mind BY LOREN COX, JR 1106 Cleveland Ave, Lexington, KY 40505-3214

"I DON'T KNOW much about gods; but I think that the river/Is a strong brown god -" wrote St. Louis native Thomas Stearns Eliot about the mighty Mississippi ("whose muddied name was Missiliffy" wrote Mr Joyce who associated all of the world's rivers with a central symbol/persona in Finnegans Wake, Dublin's River Liffy - Livvy - Anna Livia Plurabelle). Eliot goes on to describe the river in terms that would make it very recognizable to victims of the Great Flood of Summer 1993. Strangely, in the media, there has been no quoting of Eliot's most apropos lines, which open the third ("The Dry Salvages") of the Four Quartets, tho' Mark Twain of Hannibal - the media know about him - has been getting his due.

Floods are always fascinating stories - visual stories - for we see a world become incongrous: water everywhere with tops of things that belong only on land potruding from it. And on the human level there are the countless stories of hardship, suffering and irreparable loss - the sandbag stacking in a desperate attempt to stay the enchroaching water. The many become one in a common endeavour. One can sympathize, but it's great to be seeing it only as a show via the satellite feeds.

Mythology - that window into the human psyche - is replete with flood stories, the destruction of the world by water ("Fear death by water"). Vide these lines from Book I of Ovid's Metamorphoses in a version by lc (Jove had determined to destroy mankind by turning the whole earth into a single sea, fire being too dangerous to the heavens for the job):

> the South-wind, dripping water
> from his wings, his brow wrapped in ever blackening clouds
> from which the rain streamed down his darkened face and beard,
> his robe soaked through, was sent to fly around the world
> not far above the ground while the great hand of Jove
> grasped the wreath of clouds unleashing thunderstorms
> more terrible than any ever seen before,
> and Iris, Juno's daughter, wrapped in a robe of rainbows,
> fetched more water to keep the clouds well fed. The fields
> of grain were soaked and flattened, the cultivated lands
> planted with hope and prayers for a fruitful harvest were
> destroyed: a year of hardest work reduced to nothing.
> But all of the water the sky could give was not enough
> to assuage the anger of Jove. And so he called upon
> his brother, the sea god, to help him swell the flood...
> Neptune
> raised his trident against the earth, her shudders at each
> stroke shaking the rivers from their banks, spilling them
> across the land to cover not only orchards, gardens,
> cattle and men and their dwellings, but the sacred places
> as well, all being carried before the flood. And any house
> or towered fortress that could withstand the charging waters
> was soon covered by the ever rising tide, each wave
> leaping higher than the last, until there was
> no demarcation between land and water: the earth
> was a shoreless sea.
> In panic before the beast that has
> no mouth but swallows all, men scrambled up the remaining
> hills while another in his boat was turning water
> with his oars over where he had turned the land with his plow.
> And others floated over their meadows where the grain
> had been ripening, looking down on them and their houses,
> and one man cast a line to catch the fish that could be seen
> swimming among the treetops. Anchors were dropped on what
> had been the fields where sheep grazed, and the vineyards whose

grapes now would never ripen touched the hulls of boats.
Sea monsters claimed the places where the goatherds roamed,
and the Nerids, looking down, saw the strange sight of whole
forests and cities clear beneath the crystal waters.
Dolphins now were forest creatures, moving among
the branches where the birds once nested, sometimes shaking
the oak trees they had never seen as they slapped them with
their great tails. Wolf and sheep swam together trying to
survive, as did the other animals, lions, tigers,
the lightning-limbed boar and swift-footed stag, but to
no avail: the flood consumed them all. The birds which had
escaped by flight soon tired and fell into the waiting
waters. The sea by now had claimed all of the earth except
for a few of the mountain tops where some living things
found refuge, but quickly fell into a ravanous hunger,
setting upon each other as the only food,
the last to starve among the bones of his last meal.

Some flood! Those familiar with the original will recognize my inability to stick to a text - can't resist trying to improve even on the classics; ergo my stuff of no commercial value as a translation. And you say this is out of place in a radio/media hobbyist's publication? Ovid's compendium of auncient stories was a part of "media" in the Roman Empire, a part of the public utterance and performance of the time. What was lacking were the forms of dissimination - the media for it - which we have today. Of course we have the by now cliche observation that the means of dissimination IS what is dissiminated ("the medium is the message"), which I think REALLY means that the form of dissimination is a significant factor in determining what is dissiminated (the medium forms or shapes the message). Consider poetry and prose as dissiminating media; consider newspapers and television as dissiminating media.

Must confess I liked my (not Ovid's) metaphor for a flood: "the beast that has no mouth but swallows all". (My hexameter meet SWLs' approval?)

As bad as the Mississippi-Missouri river flood has been, a much wores one, at least with respect to loss of life, has been occurring in northern India/Nepal/Bangaladesh, a few scenes of which have just now appeared on world wide television. Why the difference in "media exposure"? Is it just because of better media (TV) access to a flood in the United States, or because, happening in the U.S., it's more newsworthy? - and I mean not from just an American but also from a worldwide perspective - as I see coverage on German, French, Italian, British, etc. television.

My observations of the Mis/Mo flood has been almost wholly via satellite "backhauls". There has also been a satellite channel, I assume for rebroadcast by TV outlets in the affected areas, put up by FEMA, the government agency to handle these matters, providing news and special information for flood victims. Normally, in emergencies of this sort, broadcast (radio & TV) stations, devote most or all of their time to disaster related programming - should have checked the 50 kw. radio stations in St. Louis, Des Moines, etc. as. no doubt, many did. And, of course, Amateur Radio has a long tradition of being of inestimable help in these situations, directing rescue operations, relaying information, etc. No doubt the case this time, tho' I did no Amateur Band listening.

But I do have media memories of floods past involving broadcast and Amateur radio. Likely mentioned more than once in these pages, since my radio experience of the 1937 Ohio River/Kentucky River flood is one of my earliest radio memories. In those days there were not the networks/facilities for emergency and public safety radio traffic that exist today. Police radio was one way communication only, from police headquarters to the law enforcement people in the field. Police radio stations op-

erated on wavelengths just above the "standard broadcast band", placed between wavelengths alloted for experimental (mechanical scan) television transmissions. These stations, generally operating with powers of as much as 500 watts, had great nighttime range. The SWL cculd monitor police activities in Chicago, New York, Detroit, etc. with ease. My Truetone radio has marked on the dial under POLICE at approx. 1700 kHz: BOSTON CHICAGO; at approx. 2 MHz: DETROIT BUFFALO; at approx. 2.8 MHz: NEW YORK PHILA. Lexington Police Radio operated on 1702 kHz. Remember hearing the police radios indicated above as well as others. Transmissions, of course, were only momentary. They mostly consisted of the giving of directions to the officers in the field, who could give verbal responses only by going to telephone call boxes placed at various locations around the city. (Two-way police radio became practical only with the move to VHF.) "Broadcast Band" only radios of the time often had sufficient overtravel at the higher frequency end to catch at least a portion of the "police band". As a companion to his minimalist home constructed regen. rx for SW broadcast reception (see a several years ago edition on RIB), Walter Doerle had an article in Short Wave Craft on the construction of a similar set for police radio listening. On Halloween nights the radio would be left tuned to "WPET Lex-ing-ton Po-leece" to see what damage was occurring around town. (WPET's antenna was a doublet strung between two towers behind City Hall.)

I have vague memories of Lousiville and Cincinnati police radio activity during the 1937 flood, but the vivid memory is of the continuous "flood calls" on WHAS, which continued via WSM, Nashville, via telephone link when WHAS lost power. Since I didn't listen to any AM radio from the affected areas during this summer's flood, I don't know if AM (broadcast) radio was used for such specific flood related purposes - directing rescue operations - as it was in '37; but with the avalability of other communications links for that purpose, I doubt it. I can't remember if the '37 flood affected WLW's 500 kw. operation, tho' the Arlington Street studios were flooded; generally continued with regular programming, tho' with news broadcasts devoted to the flood (know I've mentioned Peter Grant doing the news from an attic room in the Arlington Street building). Don't know what was occurring on the other Cincinnati stations - was only about 8 years old, so I didn't know my way around the radio dial all that well; must have still had the "tombstone" Philco in February, 1937. The '37 flood devistated the Miss/Mo contiguous lands as well as those along the Ohio & Kentucky Rivers. Indeed, evacuation of a million persons along the Miss/Mo/ was necessary, greatly exceeding the numbers this time.

I followed the two Kentucky River floods of the 1950s via Amateur Radio, there being flood nets in operation. Was the only source of news from many communities along the Kentucky and other area affected rivers. At the time of the first flood, the Hams were still operating AM, but by the time of the second one, they were all SSB. Remember one Ham, who had been on the net for too many hours, when an offer of medical supplies for his community was made, shouting into the microphone, "These people don't need any Jews' medicine!" [Before a purist takes exception, I know that SSB is an AM mode/form of transmission, but full carrier AM modulated signals are usually referred to as "AM" whereas SSB transmissions are not - in order to distinguish them from full carrier transmissions.]

In any event, The Flood, "newswise" was the media event of Summer 1993. Some really spectacular scenes on the backhauls and uplinked TV stations, e.g., KSDK, St. Louis. Live helicopter shots of the beast that has no mouth swallowing-swallowing peoples farms and houses and, in effect, the meaning/purpose of people's lives.

THIS PARAGRAPH WILL BE A POLITICAL COMMENT. Conservatives' reaction to The Flood: some were true to their conservative principles, some were not. An instance of the latter is Senator Bob Dole, who

immediately announced that all needed assistance to the victims should be proffered forthwith - this despite the debt/deficit - a beast that has no mouth and yet devours all. (Cut spending, cut spending, and don't tax, don't tax, esp. not the rich, for that denies to them moneys they would otherwise be investing in job creating enterprises.) But Mr Will, the true conservative, has said government have no responsibility in these matters: if people are willing to risk building homes and engaging in farming on a flood plain, and there is a flood and they're wiped out, then so be it; they took the risk and lost; government isn't supposed to be in the business of bailing out losers.

And we wonder, among the many whom the flood wiped out and now want and need governmental largesse, how many voted for Mr Reagan & Mr Bush and the vow to "get government off the backs of the people"; voted against "big government", "big spending", and the liberal willingness to spend government (tax) moneys on people in need, presuming they would never be among them. Considering the part of the country in which the flood occurred - the great Midwest, land of rugged individualism, they voted for the above gentlemen and the conservative philosophy.

The other newsworthy weather of the summer was the bit of a hurricane that got no farther inland than the shores of North Carolina & Virgina, tho' the news networks gave quick & full coverage. The Miami hurricane center was up with a continuous feed of the storm's progress on a Ku Band satellite transponder, with Dr Sheets providing innumerable reports for the networks and individual stations. This negated the need of "dish" owners for the "award winning WEATHER CHANNEL", which, as is their usual practice in emergencies, continued to transmit scrambled/addressable.

SCREWBALL WILLIAM COOPER is addressing his coterie of followers who, thanks to him, are in the know about the Mystery Religions, The New World Order, etc., and the desirability of buying gold, at midnight ET via WWCR and LET'S TALK RADIO on satellite (S3/21 5.8). Of course, even the paranoid aren't always wrong, but C/ seems to caught in a delusional system of explanation of everything. He makes Tom Valentine sound semi-rational (almost), but speaks in calmer tones of seeming rationality. But I don't mind Cooper or anyone else having his say via the airwaves, tho' things seem a bit out of balance right now on the "talk show" scene, with the just right wing to kook element predominant. But I'm just as "anti-establishment" as C/ or V/: th' fuckers ain't to be trusted.

THE ELECTRONIC SUPERHIGHWAY, Fibre Optics, HDTV, DBS, Digital Compression, Interactive Video, Instant Impulse Pay-per-view: all of these are the catch phrases of the media revolution that is virtually upon us. All presumably very exciting, but the "Electronic Superhighway" is going to be a toll road - you're going to PAY - and who knows how much - for access to it when you desire entertainment or information. And you'll get no discount because your tax dollars - according to the plan - shall have in a large measure financed its development. There will be "channels" by the hundreds, thousands being technologically possible. The video terminal will be your life, the instrument by which most of your life is lived. Existentially speaking, you shall have no <u>being</u> if you aren't plugged into the all pervasive electronic network, if you haven't paid your dues for access to the system. (You ARE your terminal, the provision of which is the BUSINESS of another.)

[8 Sept. '93, 3:15 pm ET: programme on BBC Radio 4 (AE2/20 7.56) on 17 c/ British poet John Donne - hope it isn't interrupted for a newsfeed from CBC London; next week's subject in this series, Dr. Johnson. See "Satellite Notes" below in regard to limited Radio 4 access in North America.]

REC'D MAIL on media related issues from SCOTT EDWARDS (CA), CHET COPELAND (DC) and MICHAEL HARLA (NJ). Scott sent along the following editorial from <u>The Nation</u> (March 22, 1993) - a bit old but still

apropos - entitled "Voices of America":

EDITORIAL

VOICES OF AMERICA

We hold this myth to be self-evident, that although the airwaves belong to the public, the government is neutral, and indifferent to radio and television broadcasting. But while it's true that regulation is timid and ineffective, the federal government exerts enormous influence on the industry with nearly a billion dollars a year that various agencies pump into broadcasting. And much of the money comes in with an ideological spin.

The bulk of the funds derives, first, from the propaganda voices of the cold war: Radio Liberty, Radio Free Europe and, soon, Radio Free Asia; Radio and TV Martí; Worldnet T.V. and Voice of America; and, second, from the Corporation for Public Broadcasting (C.P.B.), the folks who bring you, with co-payment by corporations and the browbeaten public, MacNeil-Lehrer, *Wall Street Week* and *Morning Edition*. While listeners or viewers may improve many an idle hour attending to the subsidized broadcasts, the permanent effect of such funding is to pre-empt a sizable federal budget line for essentially political purposes.

The overseas services have always been instruments of cold war foreign policy. What is less understood is that public broadcasting is subtly submissive to political whim and will. Although the hard right still screams that the public airwaves are rife with Marxism/Leninism/Satanism, the fact is that the incoming Reagan regime "deliberalized" the services in 1981, as the Reaganauts did in every other area of government-subsidized culture.

Now the edifice of federally funded broadcasting is set for change. Cold war rationales are gone. Clinton is cutting the budget like crazy. Options are flying fast: Merge all overseas broadcasting into the V.O.A.; erase the whole funding line; let C.P.B. run foreign as well as domestic propaganda services. But the crucial issue is political, not managerial: How can the government encourage diverse expression over the air, not merely control it?

What the government funds, the government io ipso controls. Of course PBS has two masters: the government and the corporate underwriters. A duty of government is to see that PBS operates, in all respects, totally in the public interest, and that includes universal access to all PBS programming.

CHET COPELAND sent along a story (N.Y. Times) about Don Wardlow, the blind baseball announcer who works the games of the class AA New Britain Red Sox with his sighted partner, Jim Lucas. Blind from birth, Wardlow is a consummate student of the game, functioning as the "color" man on the broadcasts, providing statistics and other information as well as insights on the game at hand. Obviously he can't do actual play-by-play, that being done by Lucas. He compiles the info in braille, and evidently has a remarkable ability to catch and convey the spirit, atmosphere and events of a game he has never seen. (When one has no concept of vision - never having sight - how is it that one can visualize? It can only be in terms of the senses one does have?) The closest approximation I can think of to Mr Wardlow's situation would be never to have seen a baseball game, having no exposure to it except via radio broadcasts: that is, only as a sound experience, as voice description - which would in some manner have to be "visualized". There is a form of play-by-play Mr Wardlow could do: a studio recreation, if he were provided a braille print out of the action.

The Colorado Rockies recently experimented with a female play-by-play person. I didn't think she was very good - which isn't to say it would be impossible for a woman to do the job (that being the "politically correct" thing to say).

THERE WERE SIGNIFICANT media related articles in the 22 July 1993 issue of The Nation (via C.C.). Too lengthy to get into here, they appeared under the heading "The 'Information Highway' - Who Will Control It". This is an absolutely vital issue, and I recommend these articles as a part of the discussion. The greatest danger remains monopoly control of the information spigot. "500 channels?" But WHOSE channels are they? In his article, "Shaping a New Media Policy", Leo Bogart says, "...any national media policy should reaffirm the doctrine of public responsibility as the price for private use of any public property like the airwaves, and should also establish criteria of acceptable performance. The requirement of the 1934 communications act that broadcast stations operate in the public interest should be revived and extended to cable system operators and program providers. If broadcasters were once again made to acknowledge that they have a social duty, the subject might at least move higher up on their own agenda."

SCOTT EDWARDS provided a N.Y. Times article by Sandy Tolan entitled "Dial 1-800 Censor" about PBS's plan to have available a toll-free number whereby viewers may respond to programming. This is a move toward insuring "balance and objectivity" in PBS programming - monitoring it for political content. PBS is quite concerned about the bias (i.e., "liberal bias") with which it has been charged, and in order to insure its continued Congressional funding - threatened by members on the right, e.g., Senator Dole, who is particularly sensitive to anything that smacks of "left-wing ideology" - will endeavour to insure "objectivitey and balance" in "controversial" programming. Of course, the easiest way out is to eschew "controversial" programming altogether, which many PBS stations already do.

Of course, in my view, PBS is already safe and "establishment" (or 95% so) to the point of insipidity. Maybe Senator Dole would be happy if "Seasime Street" gave lessons on the virtues of the Republican Party, and the evil of "tax and spend".

Scott comments:

My concerns rest with the idea that documentaries ("P.O.V". "Frontline") presenting ideas outside the local mainstream morés will be blocked by local affiliates. Broadly - those residing in areas of cultural diversity (cities) will have access to views that are not in "strict adherence to objectivity and balance in all programs...", while those living in culturally homogeneous areas (provencial) will be denied access to programming not objective and balanced in the eye of the affiliate. Afraid to ruffle feathers in Washington or raise temperatures at home, local affiliates engage in grassroots censorship and can point to the 800 number to justify their decisions.

My point is that objectivity and balance are not desirable elements within a program. One does not go to church to be offered atheism. A broad palate of programming will better achieve the balance Mr. Dole so vociferously craves.

I agree that the answer to fairness and balance in the media is diversified programming, not each program trying to present all sides, tho' there can be programs attempting to deal with all sides of an issue. But a program with a viewpoint shouldn't be required to blunt that viewpoint in the name of "fairness". BUT THE OUTLET PRESENTING THAT PROGRAM MUST PROVIDE TIME/FACILITIES FOR A PROGRAM PRESENTING A CONTRARY VIEWPOINT. A true PBS would be more like a "public access" channel, with a great variety of programming being produced by all elements of the society in their diversity of agenda and viewpoint.

MICHAEL HARLA writes on the "two Lord Haw-Haws matter". (In my review of John Carver Edwards Berlin Calling... a while back I noted the author's mentioning that Willaim Joyce was not the first Haw-Haw, but didn't indicate who he was.)

My source is a biography of Joyce written by J.J. Cole for Faber & Faber in the '60s (?) and reissued about 10 years ago. The first Haw-Haw is identified as William Baillie-Srewart, a turncoat junior officer who was doing broadcasts for Germany before Joyce was hired. The name was supposedly coined by a newspaper columnist and picked up by some music hall comedians. It seems that the title stuck to Joyce due to his past notoriety as a fascist agitator in Britain. Besides his work on-air, Joyce became the principal writer for the four "black" propaganda stations directed against various UK subgroupings (workers, Scots, peace, etc.). Although not considered a natural at writing convincingly for all of these (Joyce had been born in Brooklyn of Anglo-Irish parents), Joyce was sufficiently convincing that George Orwell, working as a producer for the BBC, thought that the various services were scripted by different writers.

According to information I have Baillie-Stewart specifically denies that he was the first Haw-Haw. The following is an additional paragraph to the book review mentioned above (there has subsequent rewriting of the rest of the review to correct some flaws):

Since the above was written there has come to our attention an article in the German magazine Der Spiegel [22/2/93] headed "Mauer der Ablehnug" ("Wall of Rejection") about David Eisermann's 60 minute radio documentary entitled "Germany Calling". The article was prompted by Eisermann's difficulties in trying to get the program, which is about the Reich's propaganda broadcasting activities in English to Great Britain and the United States, to be carried on the German networks, ARD and WDR (the former rejected it outright; the latter, after scheduling it, failed to broadcast it). The documentary reveals the "first Haw-Haw", mentioned above, to have been "the bilingual Wolf Mittler, who later worked for the Bayerischen Rundfunk [Munich]." It has been generally supposed that the "first Haw-Haw" was another Englishman who broadcast for the Nazis, Joyce's "best known rival in German radio, the English ex-officer Norman Baillie-Stewart (author of the English text version of 'Lili Marleen'..." According to Baillie-Stewart , "'The first "Lord Haw-Haw" of the Berliner Rundfunk was neither William Joyce nor I myself but Wolf Mittler, a man with snobbish manners and an aristocratic voice.'" We suspect that English listeners came to think and speak of anyone with a British accent who appeared on the German radio as Haw-Haw.

(The quotations in this paragraph are from the Spiegel article translated by Frank Starrost.)

IT APPEARS THAT TURNER'S CNN INTERNATIONAL is going to be made available to U.S. Cable viewers. Those of us who have seen CNNI when it has been "in the clear" on satellite feeds viewable in N.A. (as it was during the Gulf War and a few times subsequently) would agree that it is much better than the domestic version of CNN - more news/far fewer commercials. Is currently up a good bit of the time on Spacenet 2/Ku, Leitch encrypted. CNNI can be viewed in most of the rest of the world via satellite, unencumbered by "encryption". If CNNI shows up on your Cable system, think you'd like it; may be on one of the upcoming DBS systems.

DAVE JEFFERY (NY) has written with the word that MIND EXTENSION UNIVERSITY (available on many Cable systems) is carrying Deutsche Welle TV's news in English ["Journal"] at 10:00 pm ET. I've noted MEU carrying some of the German programming. "Dishers" can see all of DW TV's programming for N.A, on Satcom C4, Ch. 5. MEU (Jones Intercable) has been a partner with DW in bringing the

Deutsche Welle television and radio services to North America.

VIA: KEN MASON: Iraq seeks satellite television channel:

BAGHDAD, July 10 (AFP) - Iraq has started negotiations with several parties to launch a satellite television channel to push its message abroad and break its international isolation, a senior official said...

Iraq's state-run television is leading the negotiations and could begin broadcasting on a satellite channel at the end of 1993 [according to Nuri Najm al-Marsumi of the information ministry].

"A satellite channel will be a response to attempts by our enemies to prevent Iraq from being heard and seen abroad," Marsumi said.

Iraqi television was preparing political, cultural and artistic programmes in Arabic, French and English to be broadcast around the clock, he added.

But Marsumi did not identify the firms which he said Iraq had contacted about launching a satellite television channel.

Faysal Yasseri, who is in charge of the project, told AFP that Iraq has the necessary means to carry out the initiative....

There is no mention of the satellite or satellites to be used. An Arabsat? A Statsionar? Nor would I mind a bit seeing Iraqi TV show up on the North American portion of the Clarke Belt. And since we seem to have gotten on the subject, this will be continued with more

S A T E L L I T E N O T E S

INCREASINGLY, even without access to the Atlantic and Pacific Ocean satellites, satellite is becoming a source of international television and radio programming. Right now, with a view of the sky from Satcom C 1 (137 deg. W) to PanAmSat (45 deg. W) - the extreme limits of linear actuator range - programming of the following nations/nationalities can be seen for at least a part of the day on a regular schedule:

JAPANESE, GERMAN, MEXICAN, CANADIAN (FR, ENG & ESKIMO), ARABIC, PORTUGUESE*, INDIAN*, GREEK* CARIBBEAN, IRISH, CELTIC, SPANISH (LATIN AMERICA), RUSSIAN§, CHINESE, KOREAN, FRENCH, SERBIAN.

*Scrambled; available only by subscription to all "dish" users, Cable subscribers if on their systems.

§Transmitted in inverted video; requires pushing video invert switch on satellite rx.

Other sources of international programming remain SCOLA and the INTERNATIONAL CHANNEL (scrambled - available to "dish" and Cable viewers by subscription).

THE "9 O'CLOCK NEWS" from BBC TV still remains available in North America via tape delay on Galaxy 7, 11.900 GHz Vert. (Ku Band freqs. I give may not be exact because sometimes difficult to determing center freq. of a wideband signal; could be off a MHz or so.) Time: 6:00 pm ET, still followed by the newsfeed for Australia from London. Video is PAL, as it has been for some time.

A NEW CHINESE LANGUAGE CHANNEL is now operating on Galaxy 7, 11.936 GHz Vert. Is called the Asian-American Satellite Television Network. Programming is from several sources including the PRC. There is news in English from CCTV at 6:45 pm ET. The Chinese language channel on Satcom K2, 12.105 GHz Vert. presents programming from Taiwan.

KNEW I'D FORGET ONE: Add ITALIAN to the list of nations/nationalities above. Also, the channel carrying programming from LATIN AMERICA - S.U.R. - is scrambled, available by subscription. A companion channel, GEMS, with programming for Spanish speaking women, remains "in the clear". These channels are on Spacenet 2, Ch. 4 and 2 respectively.

ASIANET, WITH PROGRAMMING FROM INDIA, is up for two hours per day on SBS 6, 12.040 GHz Vert. On weekdays is up from 6:30 to 8:30 pm ET, on weekends from 2:00 to 4:00 pm ET; evidently in a preview mode. Currently "in the clear". TV ASIA, with programming from India on Galaxy 3, Ch. 7, is available only by subscription.

AT ABOUT 3:05 - 3:07 on 1 August I observed for the first time a satellite "hot switch" as Galaxy 6 - then at 99 deg. W was replaced by Galaxy 4 at that same orbital slot. The switch was scheduled for 3:15 am ET. Propitiously I woke up shortly after 3:00 am, having left the sat rx tuned to one of the CBS channels on G6. Noted about 3:05 the CBS channel growing weaker until it went out altogether; scanning the rest of the channels revealed they had all gone. But very shortly, in maybe no more than a minute or so, program services started reappaering. Galaxy 4 is one of the new, higher powered C-Ku Band satellites. Galaxy 6 has been relocated to 103 geg. W. NHK New York is on Channel 22.

TOKYO BROADCASTING SYSTEM (TBS), with relays to Japan is now on Telstar 302, Ch. 24. Carries EUROVISION newsfeeds at 12:00 noon ET; also cassies CBS News and newsfeeds.

LOVERS OF RIGHT WING TALK should catch the "Mike Reagan Show", conducted by the Ronnie-Nancy issue (9:00 - midnight ET). Satellite feed is via Standard Broadcasting Net on Galaxy 7, 12.019 GHz, 840 kHz (FM^2). SBN presents hour & ½hour newscasts "From the Washington News Desk".

"DISH" SALES BOOMING (Siegfried Berndt, Fernsehdirektor, Köln):

More and more viewers are now buying satellite dishes in order to be able to watch DW-tv in their own home. At the Deutsche Welle stand at the latest satellite show of the American SBCA (Satellite Broadcasting and Communications Association) we were told that DW-tv has given a real boost to the sales of the manufacturers and distributors of satellite dishes.

And likewise, more and more television stations and cable operators are also taking over part or the whole of the DW-tv program. So the number of viewers is growing all the time. Several dozen cable stations in Latin America now have the complete program to offer

Turning to Australia, viewers interested in German and European affairs need no longer go without the vaer latest news from here. Since the summer of 1993 SBS (Special Broadcasting Service), a channel that mainly targets ethnic minorities, has been putting out the German and English language JOURNAL every day for its viewing audience of around 5 million.

And the regional television station in Saratov in Russia, a place where more and more ethnic Germans are settling in what was the territory of the former Volga Republic, is now broadcasting the Deutsche Welle's JOURNAL every day in its domestic service.

The turn of the year 1994/1995 will mark a major leap forward, especially for viweres in Asia, when a transponder on the ASIASAT 2 [77.5 deg. E] will also become available for the DW-tv program. That will also be the deadline for stepping up broadcasting to a full 24 hours a day.

[From the Deutsche Welle TV schedule book for October, '93, DW-TV is receivable in all of the U.S., most of Canada and northern Mexico from the Satcom C4 satellite with a dish no larger than 2 meters in diameter. Two Deutsche Welle radio services are also receivable on this satellite: the German language service, and the multilingual service (English, Spanish, Chinese, Portuguese).]

MORE SATELLITE JAZZ: KJAZ, San Francisco, is now on satellite subcarrier: Galaxy 5, Ch. 7, 5.58 - 6.12 MHz (stereo). Also on this transponder is classical mx WFMT, Chicago, 6.3 - 6.48 MHz (stereo) - a long time fixture on Cable systems with an FM audio service. WFMT still provide an hour of our old liberal buddy, Studs Terkel, every evening at 11:30 pm ET. Having both jazz and classical music on one transponder is, for me, an excellent arrangement.

K-GAY, the audio service mostly by and for those of the alternative sexual preference appears to have gone away; is no longer to be found on a subcarrier on Galaxy 3, Ch. 22, where they had been for a while. If have relocated, haven't found,

WOKI, Knoxville, TN, is being uplinked to Galaxy 3, Ch. 15, 7.38 MHz. Country mx format. Some audio distortion (overmodulation).

GREEK radio is to be found on Galaxy 3, Ch, 9, 5.85 MHz. The video on this channel, evenings, is television from Greece (scrambled; available only by subscription). Since it's all Greek to me, can't determine if the audio service is originating in Greece or U.S., but would guess the former.

BUT THE MEDIA EVENT OF THE YEAR, at least on the diplomatic stage, occurred on the morning of 13 September on the White House lawn with the signing of the accords between Israel and the PLO, culminating in The Handshake. The very fact that it was a media event - seen simultaneously by millions around the world - would seem to provide an impetus to the process of accomodation between the two mortal enemies that would not otherwise have been the case. We have witnessed the media's role in the collapse of the Communist regimes in eastern Europe, the fall of The Wall and the reunification of Germany and the demise of the Soviet Union, all of which occurred with breathtaking speed once the process began. It seems that all that is necessary is for the camel, with the world's television cameras upon him, to get his nose under the tent.

There were a number of satellite feeds up (needless to say) of the 13 September proceedings, but I split my viewing between the NBC and CBS coverage (CBS turned off the VideoCipher IB on some channels, providing some "clear feeds"), switching between C Band (for CBS) and Ku Band for NBC. Tho' many detest Mr Rather, I rather like the way he warms up to the drama of events of historical significance. On the CBC morning program (whatever it's called) the following day he observed that in these last years of the 20th Century we are seeing changes in the world perhapas of a momentousness such as to parallel those that occurred in the latter years of the 18th Century (e.g., how the American and French Revolutions changed the world).

And Mr Arafat was obviously relishing the exposure he was getting on the American media, appearing on many news and interview programs (including Larry King). Seemingly always smiling, he genially answered questions, making it evident that, as he once told Mr Brokaw in one of those early, rare, interviews on U.S. television, "I am not a mon-es-ter".

Of course, some are now questioning as to just how relevant the PLO now is as a political force in the area, if it can rein in the radicals. But the momentum toward accomodation and peace could be such that the Arab states, finally realizing how it is in their economic self-interest to do so, could, with surprising speed, jump on a peace bandwagon. Considering the strength of Israel and the loss of their Soviet benefactor (no longer being a pawn in the Cold War), they have no other choice. And rational Arabs are increasingly seeing Islamic Fundamentalism as their most seroius threat.

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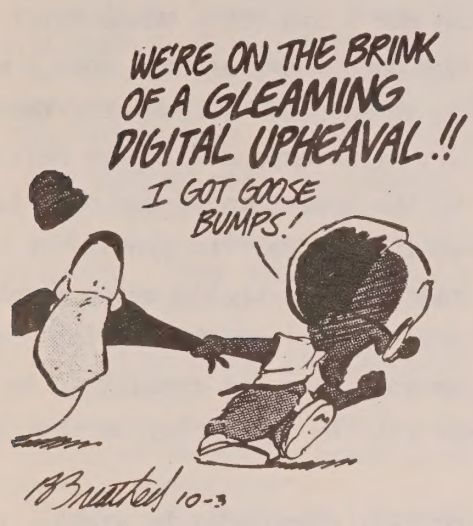
which is what the coupling of TELECOMMUNICATIONS INC. (say reverently, "The World's Largest Cable Company") and ATLANTIC BELL (one of the "Baby Bell" telephone companies) is being called, some going on to say this portents a revolution in communications and information & idea dissimination as significant for our time as was the Gutenberg press for its time.



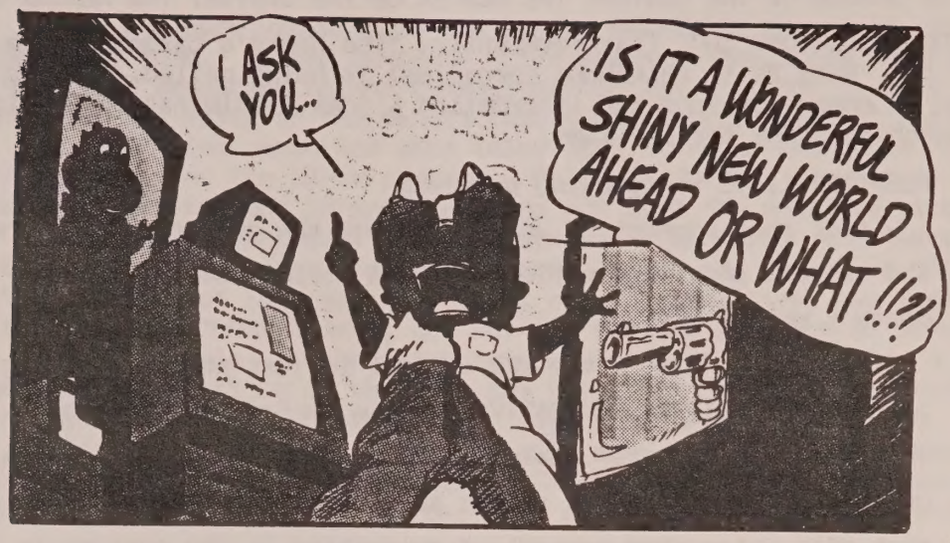
DESPITE all of the glowing promises

(for what segment of society? - not the caucasoid poor, not the negroid poor, the nation's "third world" underclass that doesn't matter anyway)

the TCI-AB deal is just another working out of the CAPITALISTIC IMPERATIVE to gain control of a market in all of its aspects? Malone (TCI president) indeed let the cat out of the bag with that remark about the "little box" that will allow them control of everything in the customer's home pertaining to the reception of entertainment & information - "You're MINE, Baby, MINE!" is their song.

Now I've listened several times to the AB man's explanation as to how the merger will bring competetion into the market place, but it was too convuluted to follow - twisty thought resolving into Orwellian "double think" (Big Capitalists always give lip service to "competetion" tho' they really despise it: it's "inefficient" said monopoly capitalism's champion, Judge Robert Bork.)

Now, of course, the claim is unprecidented numbers of "channels" accomodating every human communicative need and caprice that the technology TCI-AB envisions to provide. Countless personal transactions, interpersonal communications, and information access will be possible via one's television/computer/-telephone - one device, connected to Mr Malone's "little box", performing all of the functions of those three former separate technologies. Now the conduct of personal (business) transactions, or videophoning someone, or searching through the world's databank of knowledge via fibreoptic link are all essentially the making use of a UTILITY for this purpose. And there is nothing wrong with TCIAB being that utility, even being the dominant one providing these services. But TCIAB won't just be a utility like your light company and and telephone company has been, but an entity claiming FIRST AMENDMENT RIGHTS (as Cable companies already do). So those 500 (or whatever) channels of entertainment and information will be whatever TCIAB, from the standpoint of their business or political agenda, determines them appropriately to be. 500 channels are no guarantee of diversity when they are all mouths of the same beast. Of course, most of the channels will presumably be providing an endless diet of pay-per-view movies for an entertainment starved public. (How deprived we



have been without instant impulse movie access - they say that with the TCI-AB system one can even stop and start a movie just like on one's own VCR - Wonderful!) How much entertainment does a man or woman need? Presumably the need will ever expand with the ability of the operators of the new "information highway" to provide it. At least that's what's being counted on. Almost any TV offering - a Network show (it remains to be seen in what form that last bastion of "free TV", the commercial Networks, will be appearing on the "information highway") - will be available on command.

The potential for all sorts of new, special interest, programming will supposedly be great. But most of the talk seems to be about more convenience of access to what's already on the Cable lines plus movies movies movies, shopping shopping shopping in even greater proliferation, and video games video games video games.

The monopoly worry-warts like Senator Metzenbaum have expressed concern over TCIAB; will be holding hearings in his Anti-trust subcommittee. A single entity producing, distribituing, and selling to the consumer his news and entertainment as well as those various "utility" services mentioned above does not, for a number of reasons, seem to be the best of situations.

But it is evident the fibre optic/digital/zillion channel / information-entertainment-communications / super-highway is going to come. The Clinton Administration had been thinking in terms of some sort of government-private sector partnership to spur the process along. Of course, government involvement means government (taxpayers') investment. Because of the huge amounts of money required for such an endeavour, the only alternative to some sort of government involvement is an initiative like that of TCI-AB? Only a gigantic monopoly structure has the resources to bulid the "highway" that is envisioned? The Clinton Administration has expressed tentative approval of the TCI-AB deal, but it is to be hoped that all of the implications of this unprecidented money game which can have such a profound effect on how people live, think and know - on the decision processes which determine how the nation is to be governed - will be examined and thought through with the very greatest care.

The one certain truth about the new "information highway": it's going to be a toll road, meaning there is the large question of how much the toll is going to be. Some will be riding in "Cadallacs", some in "Fords", some will be pedestrians, and some will have no access at all to it: the services one one gets determining the toll.

How all of this mix of revolutionary technology, big big money power plays, and bidding for control of the American mind and extractions from Americans' pocket books is all going eventually to play out will most likely be one of the most significant stories of the close of the 20th century - perhaps the most significant.

While others are sailing down the great highway of media access and communications interconnection I may well still be on the bumpy backroad of shortwave radio, or be seeking sideroads of satellite that remain, or just return to the pace of the 18th century with the fruits of Mr Gutenberg's invention.

INTERNATIONAL VACUUM: UNITED ARAB EMIRATES TELEVISION DUBAI is now being radiated from Galaxy 7, Tr. 17, for viewing in North America. Appears to be up as much as 24 hours per day when not taken down for transponder sharing with a B-MAC encrypted horse race channel. When I saw the B-MAC after seeing UAE TV for a few days, I thought, "Well, they've 'scrambled' already", but fortunately that was not the case. "News at Ten" in English is up at 18:00 UTC; mostly made up of items from international television news organizations (e.g,. WTN). Have also seen news in Eng. at 15:00 UTC; probably N in E at other times as well. Some retransmitted "sparklies" in today's transmission; don't know what satellite path to N. Am. being used. Announcement in Arabic indicates UAE TV can also be seen on ARABSAT as well as EUTELSAT 2 F1 (for viewing in Europe). Besides news, programming includes drama and documentaries. UAE, of course, has long provided one of the best shortwave broadcasting services out of the Middle East. No UAE Radio on subcarrier.

THE PROBLEM with the foreign language service of RADIO DEUTSCHE WELLE on Satcom C4, Tr. 5, 7.38 MHz, has finally been cleared up. For what seems like a month or more the German language service and the foreign language service were coming in mixed together on 7.38, making the English, etc. unlistenable. (The German language service on 7.02, 7.20 & 7.56 MHz was unaffected.) I wrote to the DW Frequency Bureau in Köln about this situation which presisted for some time after the letter sh'd have been received. Didn't know whether the problem was at the German uplink to Intelsat K (which I can't receive) or at the Colorado uplink to C4. With so much transmitting equipment automated-computer controlled these days, a transmission problem can persist for a considerable length of time before anyone notices. DW TV on C4 sometimes suffers from some picture degredation, caused I suspect by satellite reception conditions at the Colorado downlink/uplink, which is actually a bit beyond the Intelsat K "footprint".

On 10/25/93 Radio DW (German) presented an interesting documentary, "Der Internationale Rundfunk im Zweiten Weltkrieg", about WW II propaganda broadcasting, mostly concerned with broadcasting to Germany by the BBC, VOA and Radio Moscow. Can provide a copy of the program as received from satellite to anyone who might be interested.

gh: If some of Loren's material seems dated, don't blame him. Much of it was prepared in September when we thought we would get out this issue, but it had to be delayed. Thanks for your patience...

U S A (contd. from p. 6) (gh) WHRI News (see also HAWAII!!) VOICE OF THE GOOD NEWS, in Turkish, runs Mon-Fri 1900-1930 on 13760; some nice music. DX RADIO SHOW, UT Sun. 0200-0300 with Steven Michael or Joe Hill includes mailbag, praise, lots of music, info on station developments, even reading complete program sked. Michael said his DAILY DEVOTIONAL, Mon-Fri. 1800-1900 on 9485, repeated 2100-2200 on 17830, 13760 includes WHRI/KWHR news about :20 in, but none such noted Mon. Dec. 6. Putting in new studio, computer controls for 3 xmtrs. Hill tells me Handel's MESSIAH tentatively sked Xmas morn 1000-1230, maybe repeated that night 0200-0430 from a digital recording. WORLD OF RADIO to be carried on KWHR once unsold holes emerge. UT Sun. airing of WOR on WHRI 7315 may shift to 0100.

WWCR News: WORLDWIDE COUNTRY is local production with live DJs, originally Sun. 21-22 on 15610, 22-23 on 12160; then expanded to weekdays 18-22 on 15610, 22-24 on 12160; especially for SW audience and hopes 6-hour block format will attract ad agency $$, where thru sheer ignorance of the medium, SW stns are expected to behave like AM/FM stns. More program info from Adam Lock and/or 29 Nov. update of printed sked, subject to frequent changes: WOLFE CALLING, WWCR staffer's weekly half-hour editorial sometimes mentioning gh negatively, Sat 0700 on 7435, Sun 1300 on 15685. PRESIDENT CLINTON & Republican Response, 15685 Sat. 1745, 2330, Sun 1345. IN THE HOLY LAND, Sat. 1945 on 15685, ISRAEL MAGAZINE, Tue. 2145-2215 on 15685, both from Israel Radio. FOUNTAINHEAD OF KNOWLEDGE--health/medicine, UT Tue-Sat 0300-0315 on 7435, 0800-0815 on 5810. HAWAIIAN TALK SHOW, live, planned Sat 0500-0630 on 7435. Let's Talk Radio Net lost satellite channel Nov. 30 and is out of business; SPECTRUM continues on WWCR by phone feed, UT Sun. 0300-0400 on 5810; plans non-live Xmas show; and for New Year maybe a show made up of 'After Hours' runover previously only on sat.

Monitor Radio International mentioned their Dec. 24 LETTERBOX would be expanded for holiday. WCSN to be sold to Prophecy Countdown, Mt. Dora FL, an Adventist ministry for $5 million; proceeds to buy third WSHB xmtr & ant by Sept. Conflicting info on timeline, but Steve Coletti says 30 hours (per what?) of P.C. programming to start by Jan. 17 (info via George Thurman, Malcolm Kaufman, DXPL, RNMN)

VATICAN (John Norfolk, OKCOK) Programs at 0250-0310 to NAm, local days, monitored mid-late Nov; 2nd feature begins around 0304 uos. Sun CATHOLIC WRITERS, THINKING IT THROUGH. Mon A ROOM WITH A VIEW OF THE VATICAN--inside look at events, ASK THE ABBOT--Gilbert tells everything you wanted to know. Tue THE ROME REPORT-behind-headlines view of issue currently concerning Church and world, WHAT CAN I DO? Wed PILGRIM CITY--calendar of events over past 7 days, POSTCARDS FROM ROME--out & about in eternal city. Thu CROSS REFERENCE--understanding the cross in life, FAITH BY NUMBERS. Fri ORDERS OF THE DAY--religious life as revealed by those living it, BY THE WAY--Cath perspex. Sat WITH HEART & MIND--exam of week's liturgical readings, how they apply to everyday lives, at 0256 ON THE AIR--behind scenes look at VR and its progrrams, with previews of following week's programs. /tnx!--info not printed/

YEMEN (gh) Widely reported, and I've heard it too is new English from Sana'a, 9780.4 or so, around 2105-2135 starting with news. Might have been interesting to monitor during hostage/kidnapping.

REVIEW OF
INTERNATIONAL
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WORLD OF RADIO Monitor our weekly listener-supported public service program--on WWCR Nashville TN Fri 2215 UT, Tue 1330 on 15685; Sat 0730, Sun 0415, Mon 0000 on 7435; Sat 2130 on 15610; Sun 0700 on 5810. On WHRI Noblesville IN UT Sat & Sun at 0130 on 7315, Sat 0600 on 7315 & 9495, Mon 0100 on 9495, Wed 2230 on 13760 (also via Galaxy 4, Tr. 15, 7.37, 7.46, 7.55 MHz). On RFPI Costa Rica Fri 20, Sat 04, 12, 18, Sun 02, 10, 23, Mon 07, Tue 19, Wed 03, 11 on some of 21465, 15030, 9375, 7375 (possible sked revision Jan. 1). On WNQM 1300 Nashville Sat 12 89.5 Bridgeport CT Sat 2:30 pm ET; KSIR AM 1010 & FM 107.1 Brush CO KATR 98.3 Wray CO all Sat 7:05 pm MT; WSUI 910 Iowa City IA Sat 10:3 cept WHRI & RFPI, times shift one real hour earlier with DST in Apri stay at same local clock time. GH's Spanish DX report on RN's RADIO = UT Sat 0003 & 0303 on 15315, 0503 on 9590 6165; usually starting o

Bruce Berr 149#YK2

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